

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045405.D
 Acq On : 17 Sep 2015 12:15
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 18 01:17:16 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1103255	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1634344	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1563273	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.49	152	807490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.78	65	552321	46.62	ug/l	0.01
Spiked Amount	50.000		Recovery	=	93.24%	
34) Dibromofluoromethane	4.05	113	628820	49.67	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.34%	
49) Toluene-d8	7.50	98	1823566	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
61) 4-Bromofluorobenzene	11.36	95	819203	45.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.94	85	448492	47.73	ug/l	100
3) Chloromethane	1.03	50	375721	46.71	ug/l	90
4) Vinyl Chloride	1.09	62	345364	50.09	ug/l	97
5) Bromomethane	1.26	94	195284	45.62	ug/l	99
6) Chloroethane	1.34	64	134825	49.07	ug/l	98
7) Trichlorofluoromethane	1.40	101	313381	22.15	ug/l	98
8) Diethyl Ether	1.60	74	150945	51.05	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.78	101	375075	46.07	ug/l	95
10) Methyl Iodide	1.81	142	796334	47.83	ug/l	95
11) Tert butyl alcohol	2.51	59	27065	203.30	ug/l	99
12) 1,1-Dichloroethene	1.72	96	333393	49.30	ug/l	92
13) Acrolein	1.96	56	150404	272.64	ug/l	89
14) Allyl chloride	2.06	41	549213	52.34	ug/l	93
15) Acrylonitrile	2.89	53	333628	262.22	ug/l	# 90
16) Acetone	2.19	43	712768	265.01	ug/l	99
17) Carbon Disulfide	1.74	76	1121166	48.65	ug/l	99
18) Methyl Acetate	2.30	43	514448	49.87	ug/l	94
19) Methyl tert-butyl Ether	2.39	73	241897	45.45	ug/l	96
20) Methylene Chloride	2.14	84	352084	47.99	ug/l	94
21) trans-1,2-Dichloroethene	2.27	96	362418	47.80	ug/l	97
22) Diisopropyl ether	2.75	45	1100467	49.20	ug/l	96
23) Vinyl Acetate	3.13	43	1661409	254.45	ug/l	100
24) 1,1-Dichloroethane	2.82	63	760328	50.22	ug/l	98
25) 2-Butanone	4.26	43	936995	249.04	ug/l	97
26) 2,2-Dichloropropane	3.55	77	679324	48.18	ug/l	98
27) cis-1,2-Dichloroethene	3.42	96	532984	45.51	ug/l	98
28) Bromochloromethane	3.66	49	290582	48.87	ug/l	88
29) Chloroform	3.79	83	1000537	47.01	ug/l	99
30) Cyclohexane	3.65	56	664401	48.63	ug/l	97
31) 1,1,1-Trichloroethane	4.04	97	813740	46.16	ug/l	96
35) 1,1-Dichloropropene	4.23	75	754612	48.67	ug/l	96
36) Ethyl Acetate	4.04	43	373480	47.61	ug/l	# 36
37) Carbon Tetrachloride	3.93	117	728337	44.59	ug/l	98
38) Methylcyclohexane	5.41	83	764364	45.86	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	1612566	44.49	ug/l	99
40) Methacrylonitrile	4.69	41	164316	44.25	ug/l #	90
41) 1,2-Dichloroethane	4.88	62	627113	42.89	ug/l	97
42) Isopropyl Acetate	6.91	43	517130	50.03	ug/l #	94
43) Trichloroethene	5.45	130	559402	45.19	ug/l	100
44) 1,2-Dichloropropane	6.18	63	480571	45.50	ug/l	91
45) Dibromomethane	6.03	93	338655	45.06	ug/l	99
46) Bromodichloromethane	6.33	83	748411	44.47	ug/l	99
47) Methyl methacrylate	6.66	41	311575	49.66	ug/l	90
48) 1,4-Dioxane	6.65	88	67875	903.16	ug/l	96
50) 4-Methyl-2-Pentanone	8.21	43	1769273	240.72	ug/l	100
51) Toluene	7.57	92	1302039	46.61	ug/l	98
52) t-1,3-Dichloropropene	8.22	75	714621	47.24	ug/l	94
53) cis-1,3-Dichloropropene	7.24	75	807431	45.20	ug/l	98
54) 1,1,2-Trichloroethane	8.42	97	446579	47.27	ug/l	96
55) Ethyl methacrylate	8.57	69	601659	48.96	ug/l	93
56) 1,3-Dichloropropane	8.79	76	725046	47.05	ug/l	99
58) 2-Hexanone	9.43	43	1463375	250.14	ug/l	94
59) Dibromochloromethane	8.65	129	594201	44.38	ug/l	95
60) 1,2-Dibromoethane	8.93	107	505830	47.18	ug/l	95
63) Tetrachloroethene	8.10	164	548485	44.16	ug/l	98
64) Chlorobenzene	9.73	112	1506992	45.95	ug/l	98
65) 1,1,1,2-Tetrachloroethane	9.86	131	532089	44.38	ug/l	95
66) Ethyl Benzene	9.84	91	2500734	44.01	ug/l	100
67) m/p-Xylenes	10.07	106	1869277	91.77	ug/l	96
68) o-Xylene	10.66	106	927239	43.85	ug/l	97
69) Styrene	10.74	104	1553355	46.03	ug/l	96
70) Bromoform	10.71	173	395542	44.46	ug/l	97
72) Isopropylbenzene	11.07	105	2713132	50.15	ug/l	100
73) N-amyl acetate	11.33	43	727374	48.50	ug/l #	88
74) 1,1,2,2-Tetrachloroethane	11.64	83	583430	47.58	ug/l	97
75) 1,2,3-Trichloropropane	11.74	75	405950	48.14	ug/l	96
76) Bromobenzene	11.44	156	706276	46.03	ug/l	99
77) n-propylbenzene	11.55	91	3309417	49.28	ug/l	99
78) 2-Chlorotoluene	11.66	91	1840202	48.98	ug/l	99
79) 1,3,5-Trimethylbenzene	11.77	105	2145721	48.67	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	271076	60.02	ug/l	96
81) 4-Chlorotoluene	11.85	91	1954851	47.08	ug/l	93
82) tert-Butylbenzene	12.08	119	2060327	47.25	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	2140245	47.34	ug/l	96
84) sec-Butylbenzene	12.26	105	3022184	49.86	ug/l	98
85) p-Isopropyltoluene	12.41	119	2230545	47.27	ug/l	97
86) 1,3-Dichlorobenzene	12.42	146	1230616	47.18	ug/l	97
87) 1,4-Dichlorobenzene	12.51	146	1213079	46.58	ug/l	97
88) n-Butylbenzene	12.79	91	2318153	48.86	ug/l	98
89) Hexachloroethane	12.86	117	515035	46.10	ug/l	82
90) 1,2-Dichlorobenzene	12.89	146	1089259	45.40	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	13.58	75	80026	49.16	ug/l	87
92) 1,2,4-Trichlorobenzene	14.14	180	673730	48.53	ug/l	95
93) Hexachlorobutadiene	14.13	225	503295	47.72	ug/l	99

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QLast Update : Wed Sep 16 16:04:03 2015
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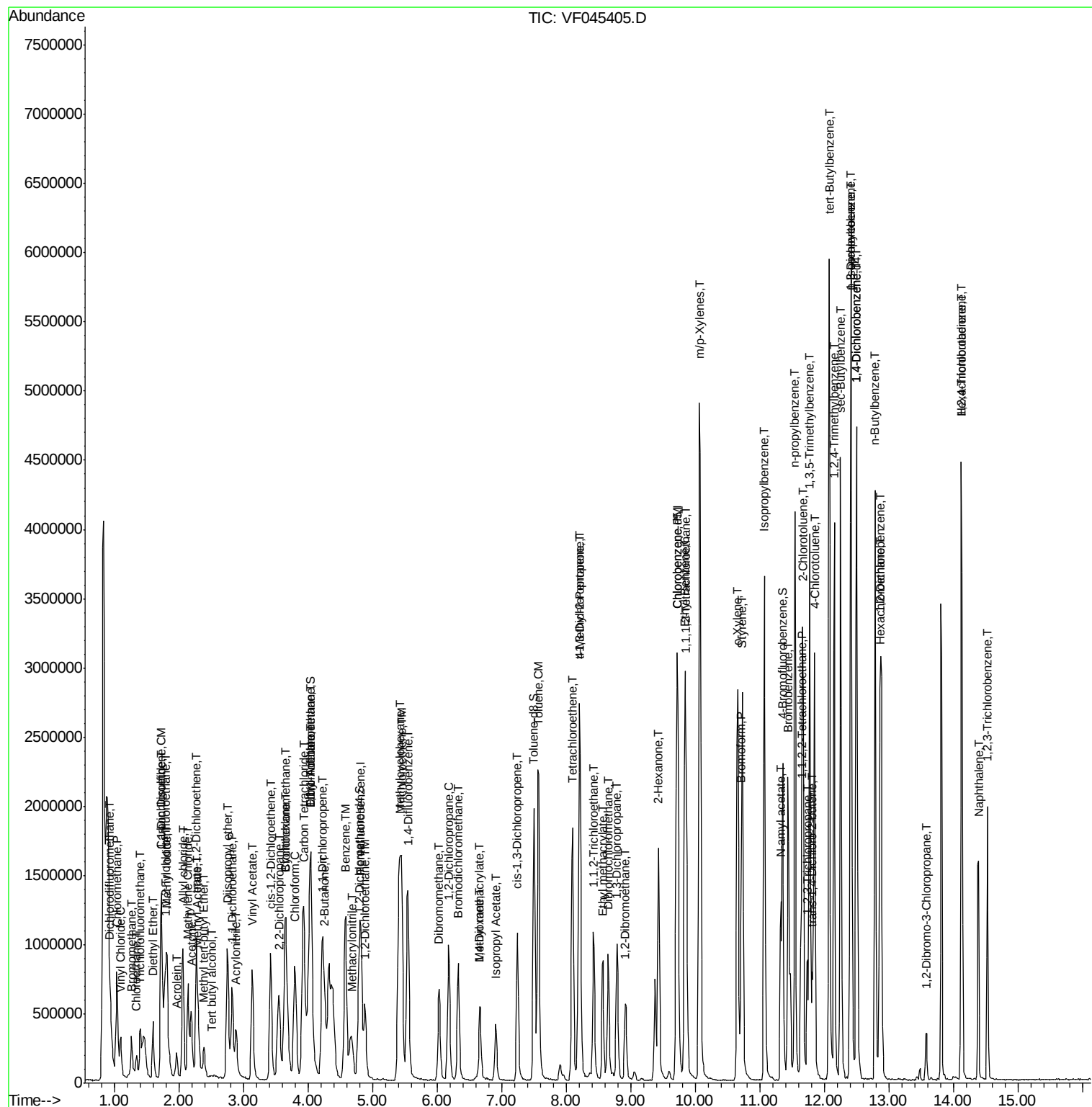
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	1230861	47.05	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	572742	50.21	ug/l	99

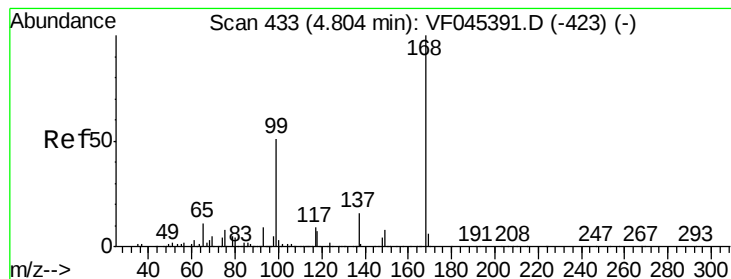
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

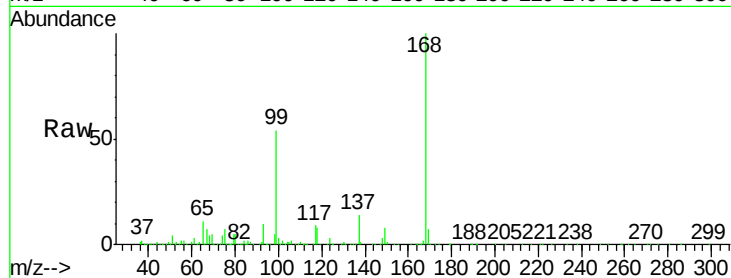
VSTDCCC050

Tot Ion:168 Resp: 1103255

Ion Ratio Lower Upper

168 100

99 53.9 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.82

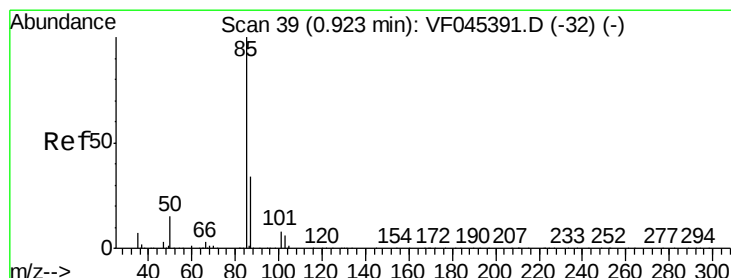
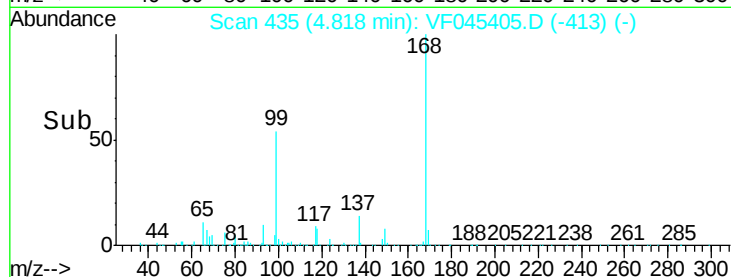
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.73 ug/l

RT: 0.94 min Scan# 41

Delta R.T. 0.01 min

Lab File: VF045405.D

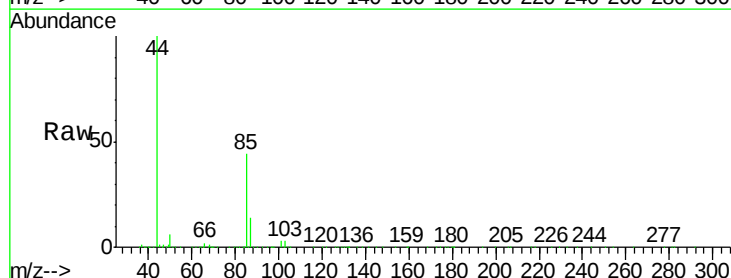
Acq: 17 Sep 2015 12:15

Tgt Ion: 85 Resp: 448492

Ion Ratio Lower Upper

85 100

87 31.4 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

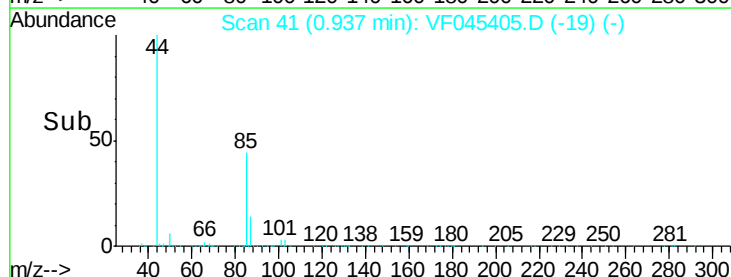
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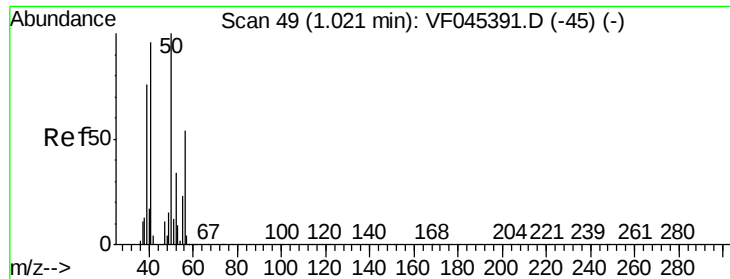
100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.71 ug/l

RT: 1.03 min Scan# 50

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

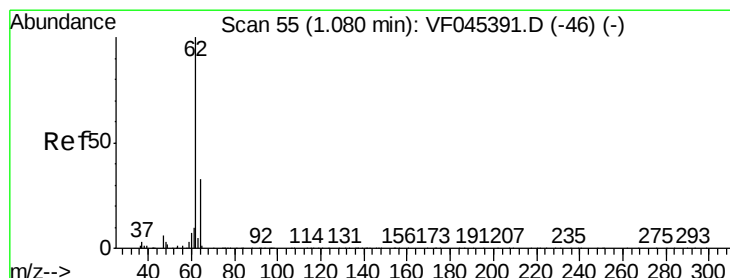
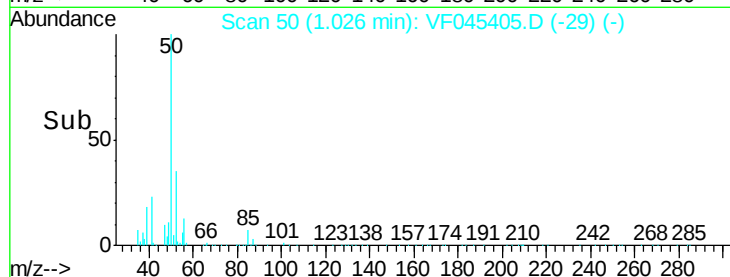
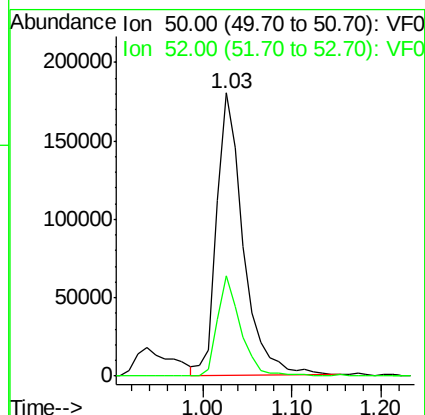
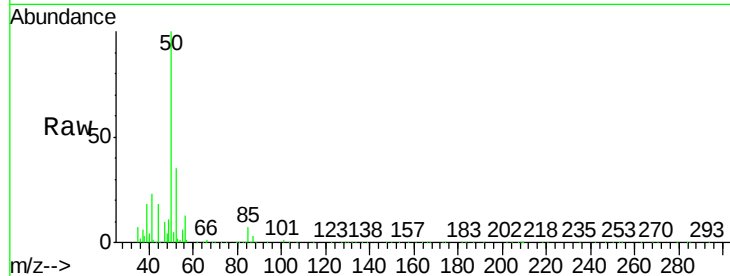
VSTDCCC050

Tot Ion: 50 Resp: 375721

Ion Ratio Lower Upper

50 100

52 35.3 23.8 35.8



#4

Vinyl Chloride

Concen: 50.09 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF045405.D

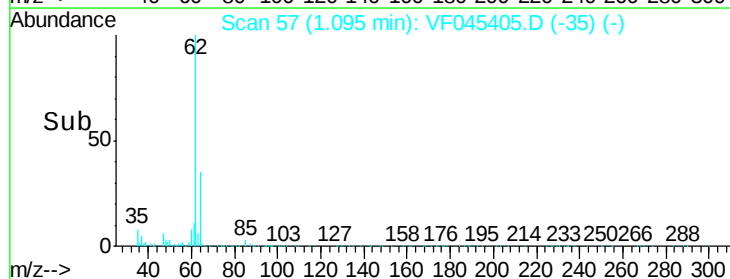
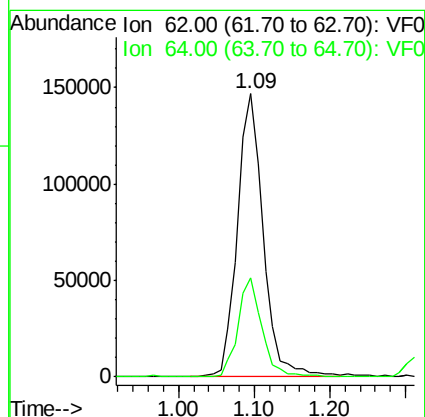
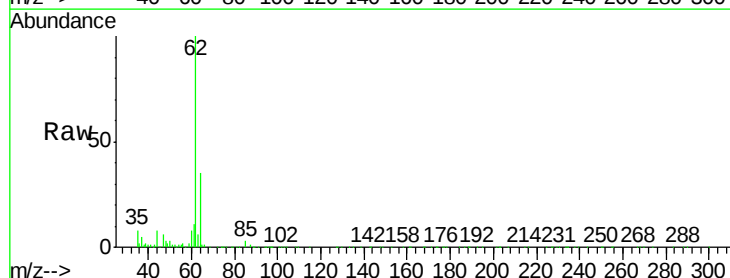
Acq: 17 Sep 2015 12:15

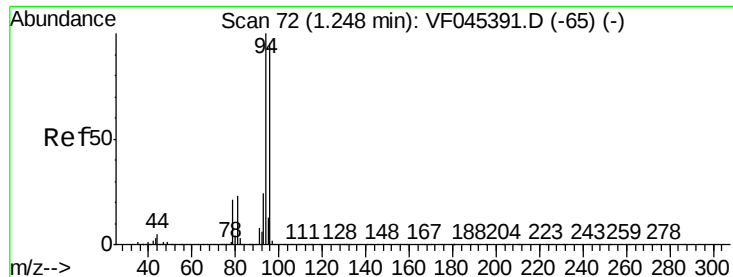
Tgt Ion: 62 Resp: 345364

Ion Ratio Lower Upper

62 100

64 34.8 26.6 39.8





#5

Bromomethane

Concen: 45.62 ug/l

RT: 1.26 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

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ClientSampleId :

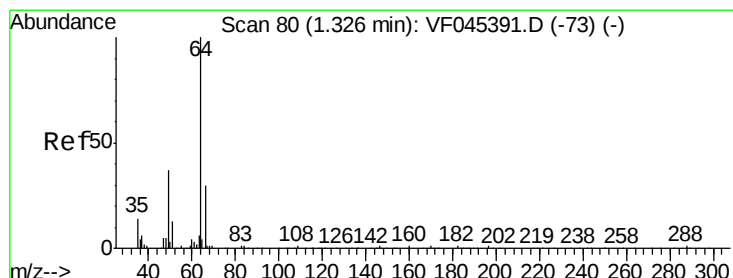
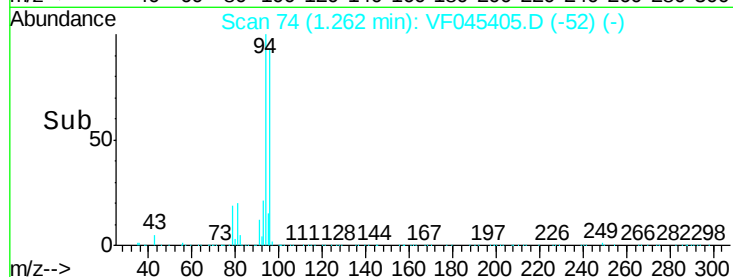
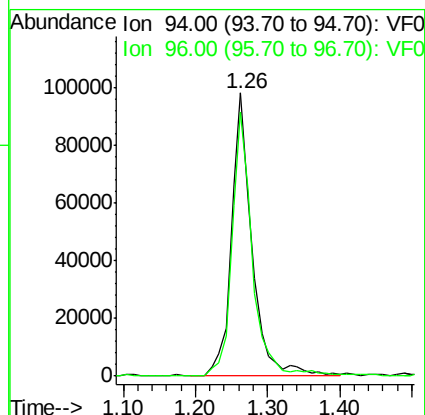
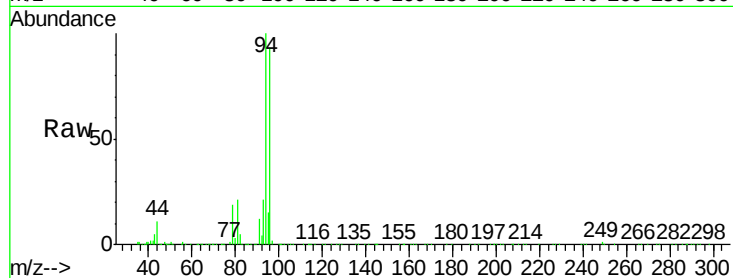
VSTDCCC050

Tot Ion: 94 Resp: 195284

Ion Ratio Lower Upper

94 100

96 93.1 75.0 112.4



#6

Chloroethane

Concen: 49.07 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF045405.D

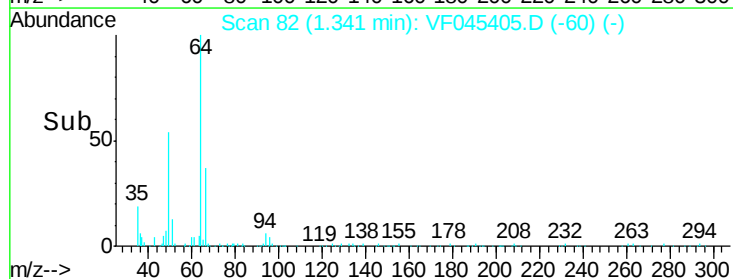
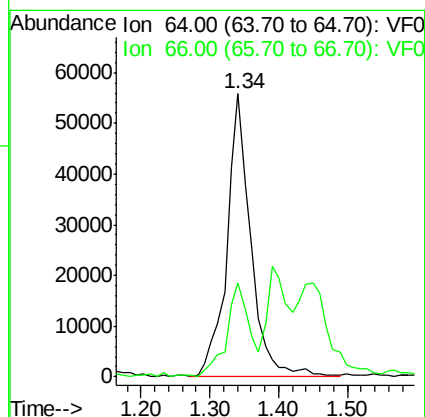
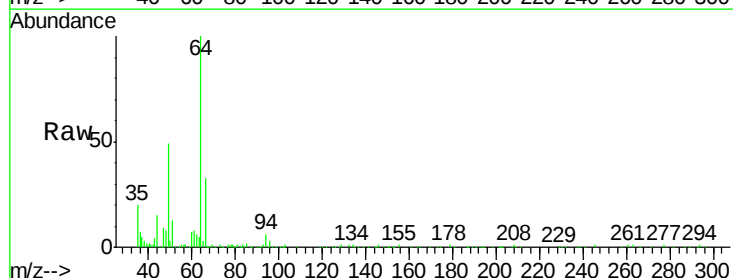
Acq: 17 Sep 2015 12:15

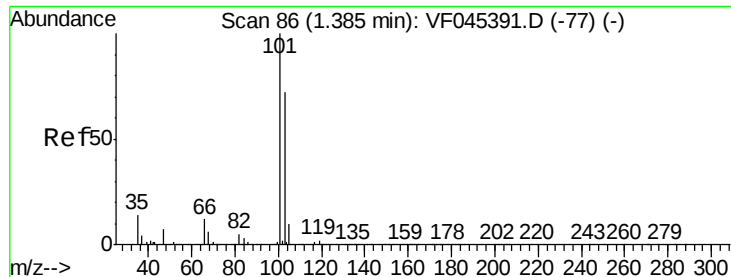
Tgt Ion: 64 Resp: 134825

Ion Ratio Lower Upper

64 100

66 33.2 27.3 40.9





#7

Trichlorofluoromethane

Concen: 22.15 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF045405.D

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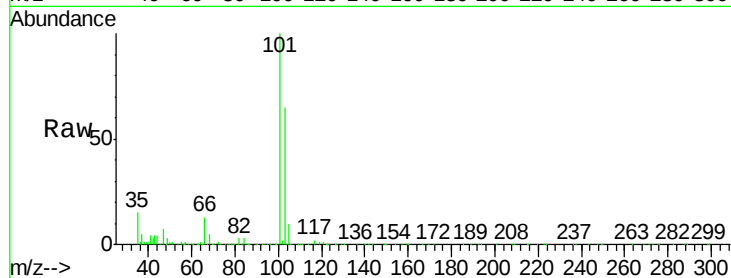
VSTDCCC050

Tot Ion:101 Resp: 313381

Ion Ratio Lower Upper

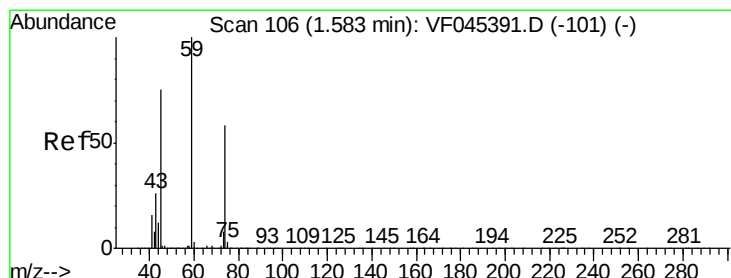
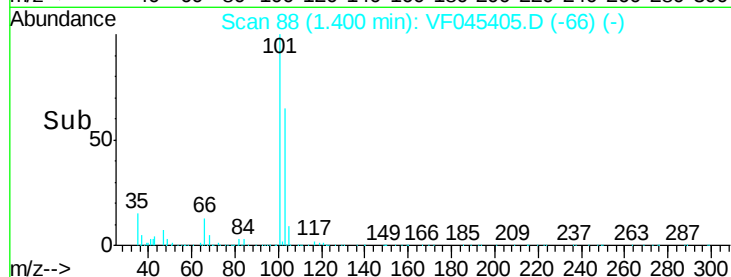
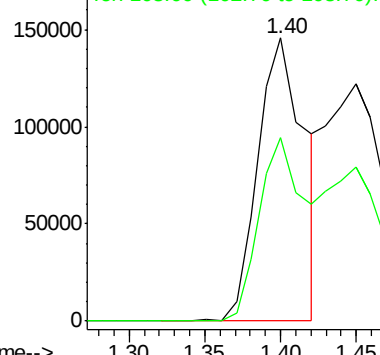
101 100

103 64.9 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 51.05 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VF045405.D

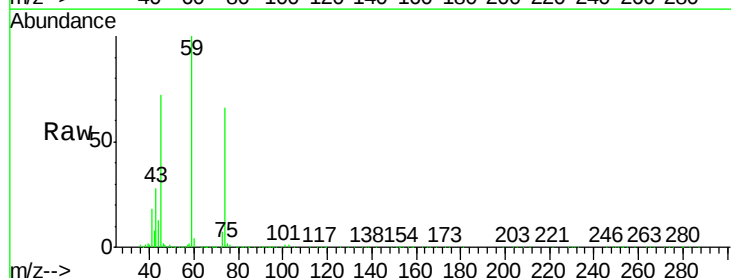
Acq: 17 Sep 2015 12:15

Tgt Ion: 74 Resp: 150945

Ion Ratio Lower Upper

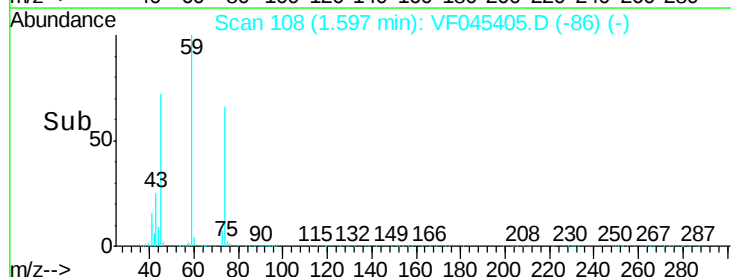
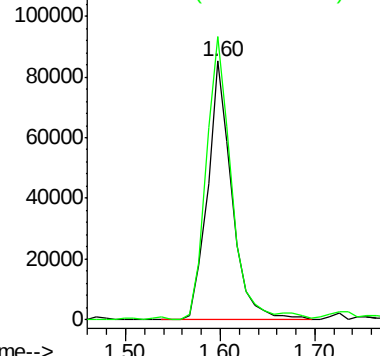
74 100

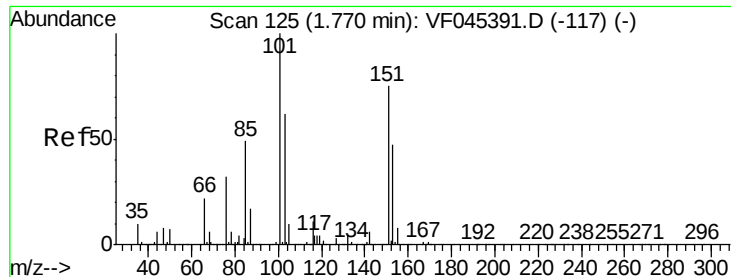
45 109.3 60.9 182.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.07 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.01 min

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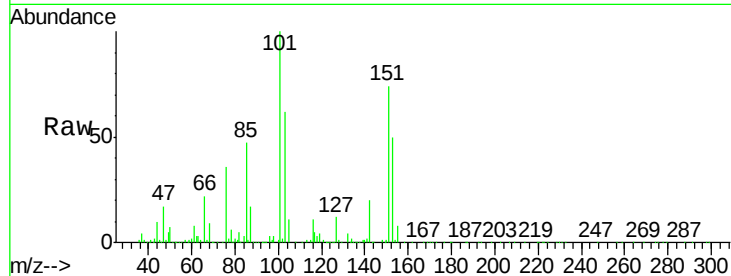
Tot Ion:101 Resp: 375075

Ion Ratio Lower Upper

101 100

85 47.3 40.0 60.0

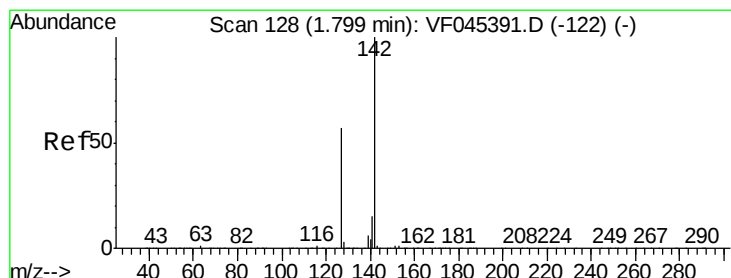
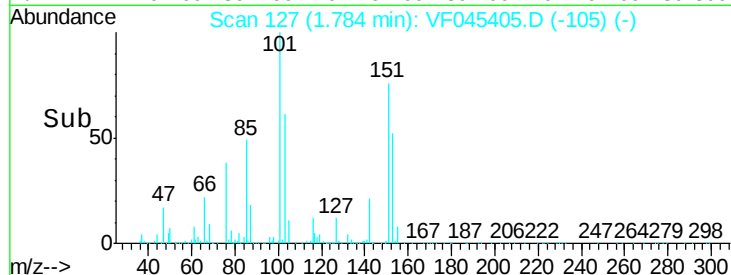
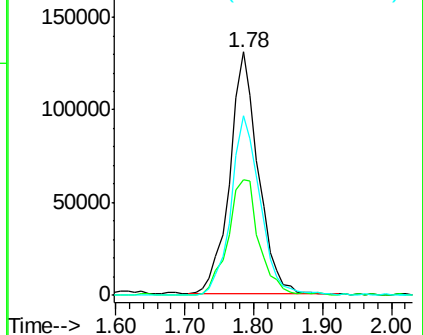
151 73.7 62.8 94.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.83 ug/l

RT: 1.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

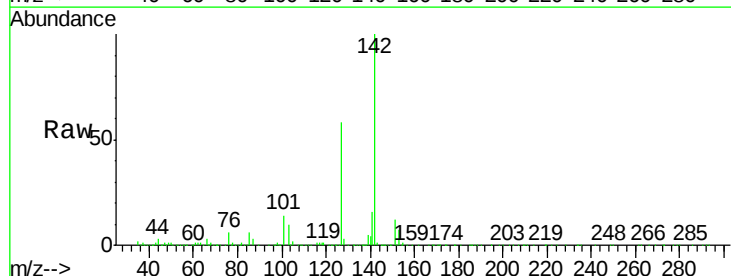
Tgt Ion:142 Resp: 796334

Ion Ratio Lower Upper

142 100

127 57.8 43.3 64.9

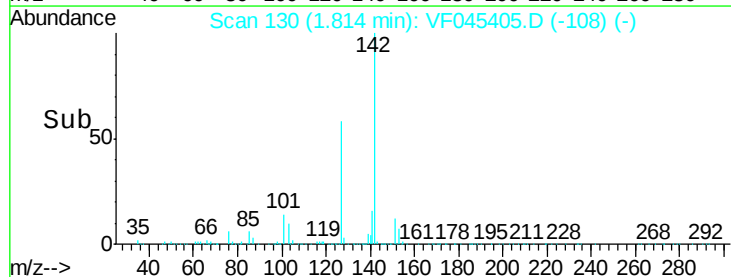
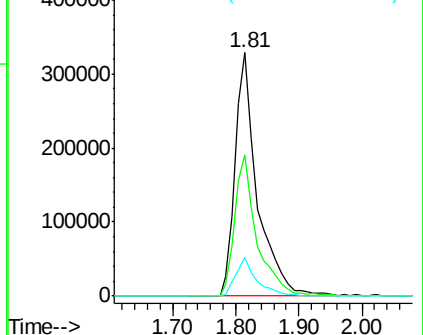
141 16.1 12.1 18.1

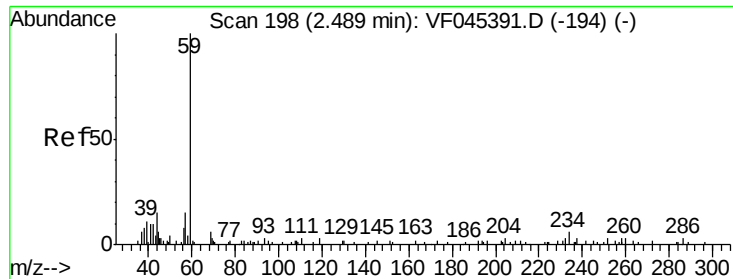


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

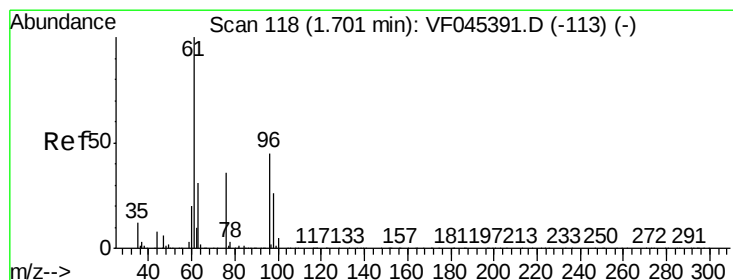
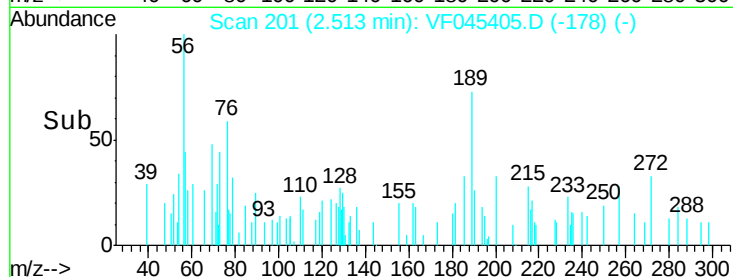
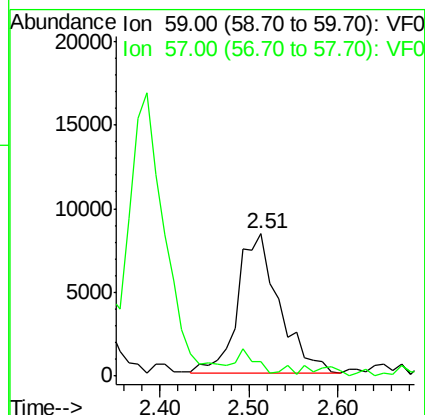
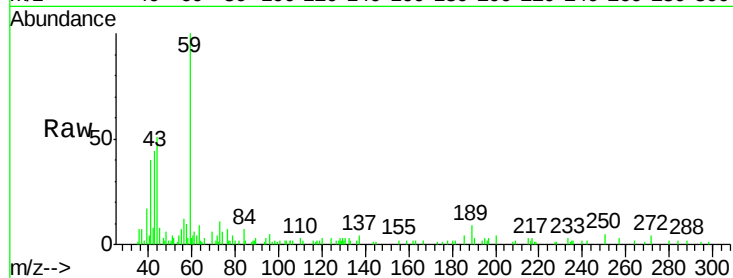




#11
Tert butyl alcohol
Concen: 203.30 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.02 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

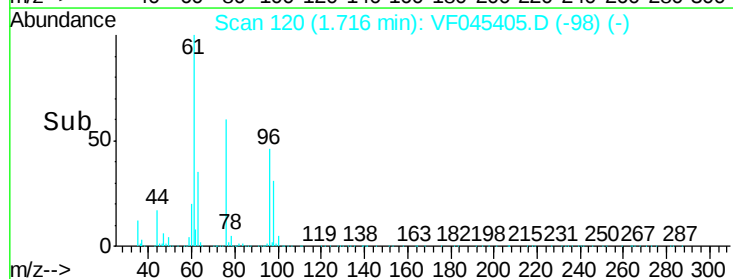
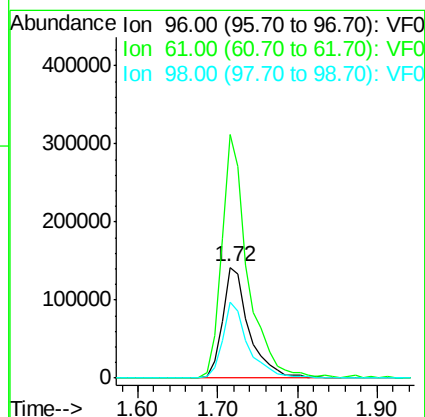
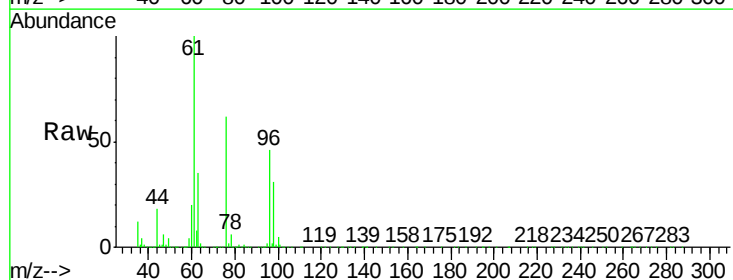
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

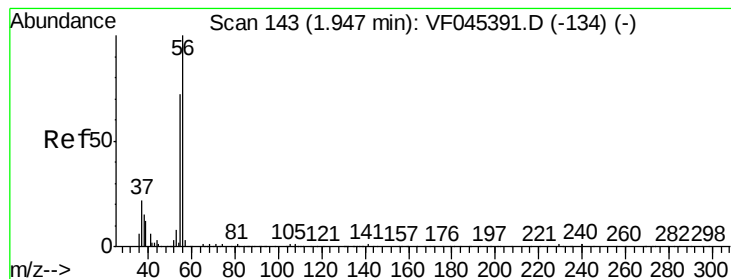
Tot Ion: 59 Resp: 27065
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0



#12
1,1-Dichloroethene
Concen: 49.30 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 96 Resp: 333393
Ion Ratio Lower Upper
96 100
61 219.7 165.8 248.8
98 68.6 51.2 76.8





#13

Acrolein

Concen: 272.64 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

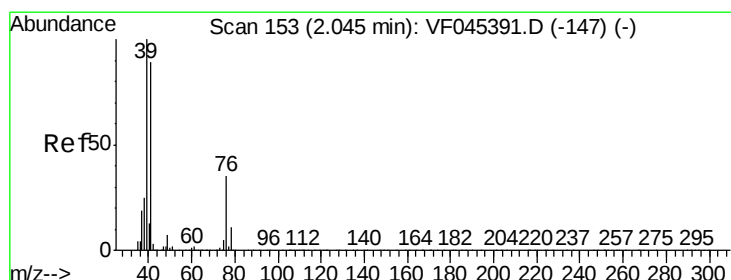
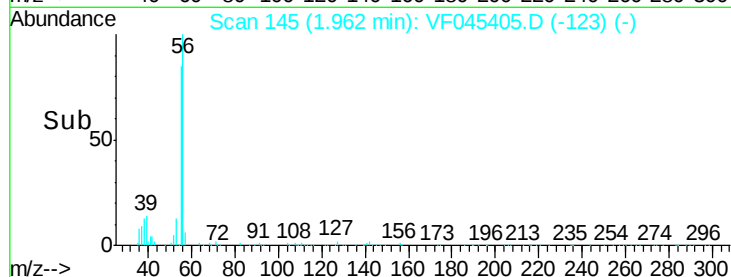
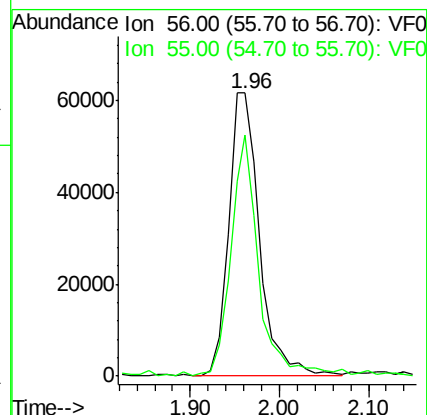
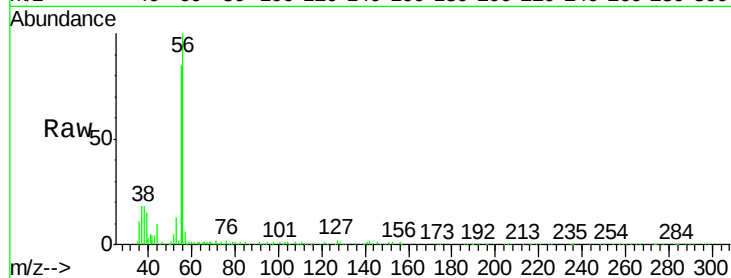
VSTDCCC050

Tot Ion: 56 Resp: 150404

Ion Ratio Lower Upper

56 100

55 85.0 60.5 90.7



#14

Allyl chloride

Concen: 52.34 ug/l

RT: 2.06 min Scan# 155

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

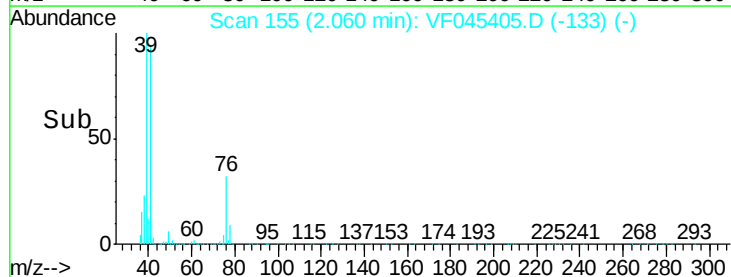
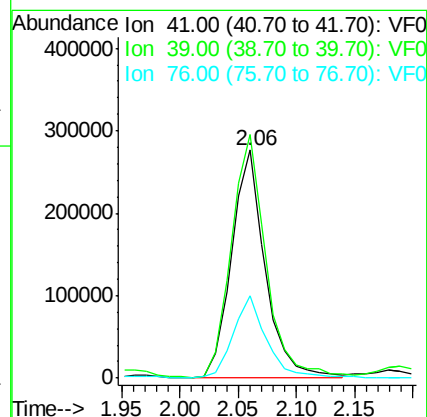
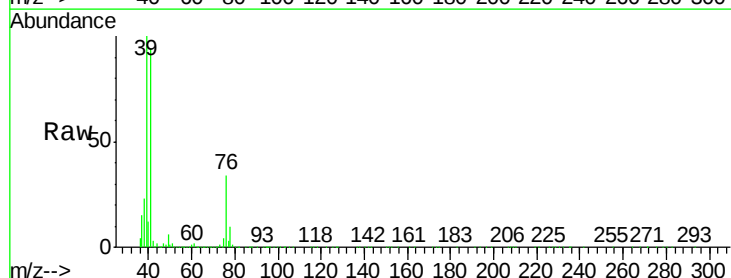
Tgt Ion: 41 Resp: 549213

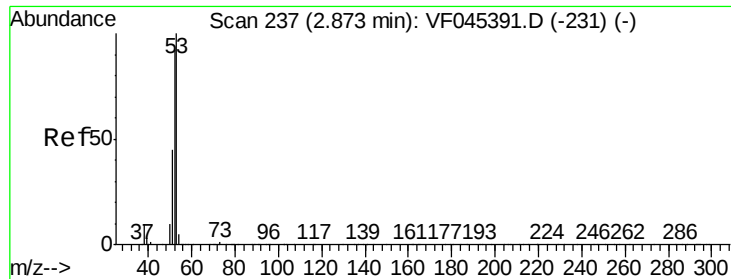
Ion Ratio Lower Upper

41 100

39 106.9 92.8 139.2

76 36.3 27.7 41.5

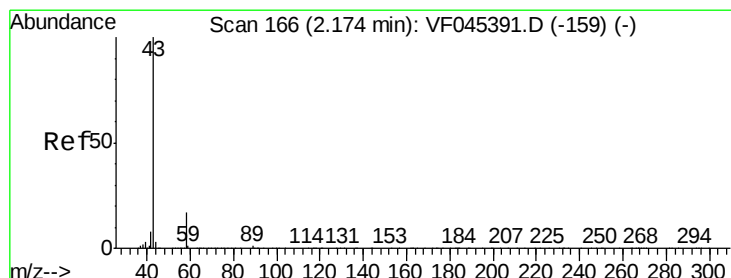
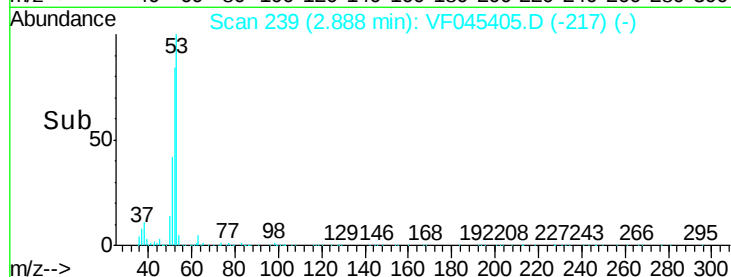
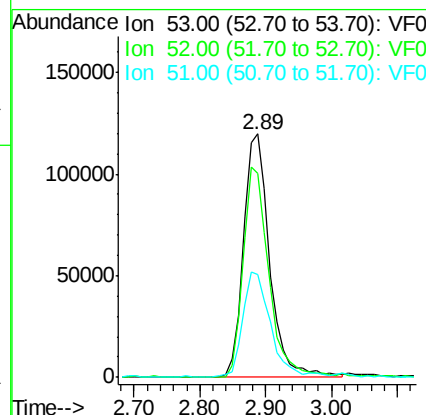
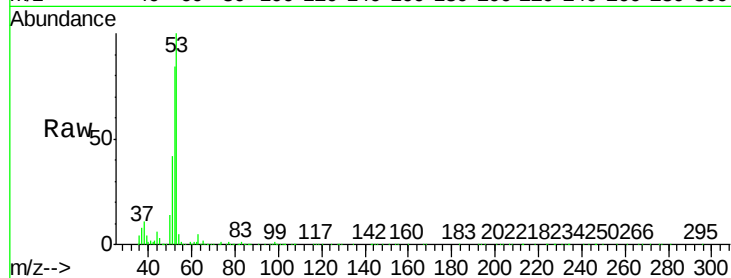




#15
 Acrylonitrile
 Concen: 262.22 ug/l
 RT: 2.89 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

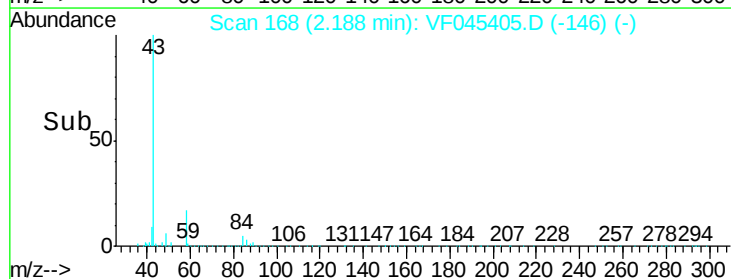
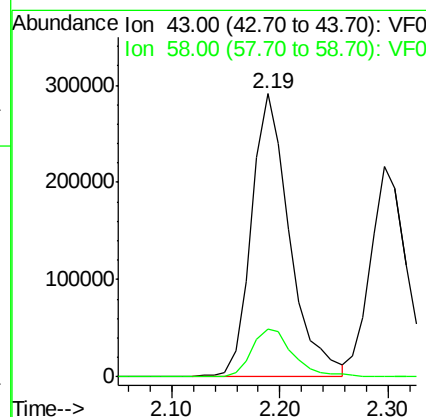
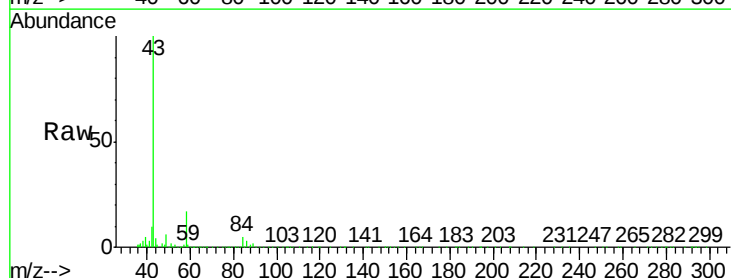
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

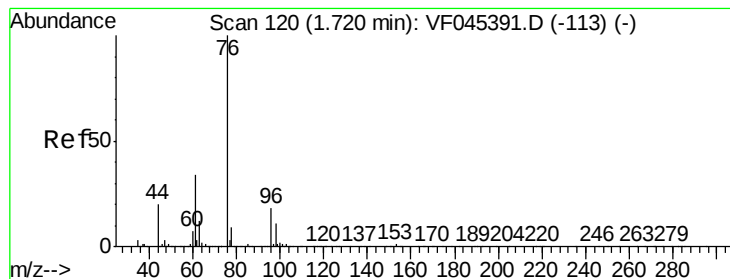
Tot Ion: 53 Resp: 333628
 Ion Ratio Lower Upper
 53 100
 52 83.9 72.7 109.1
 51 42.1 42.2 63.2#



#16
 Acetone
 Concen: 265.01 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion: 43 Resp: 712768
 Ion Ratio Lower Upper
 43 100
 58 17.0 13.9 20.9





#17

Carbon Disulfide

Concen: 48.65 ug/l

RT: 1.74 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

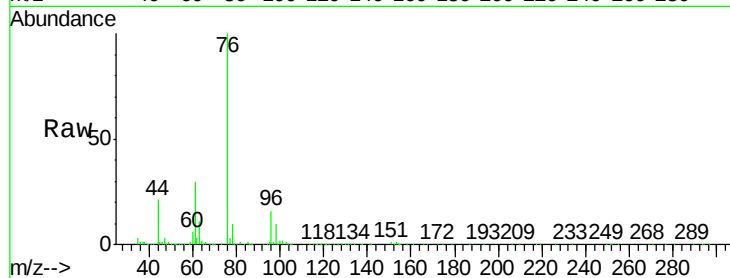
VSTDCCC050

Tot Ion: 76 Resp: 1121166

Ion Ratio Lower Upper

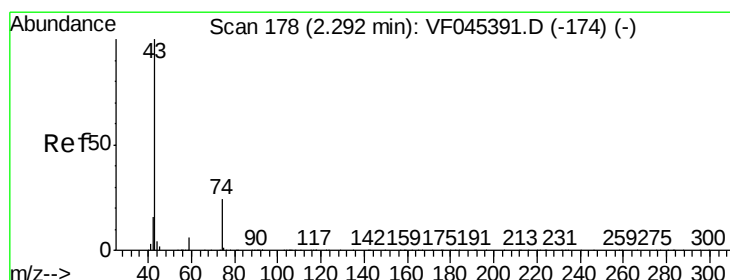
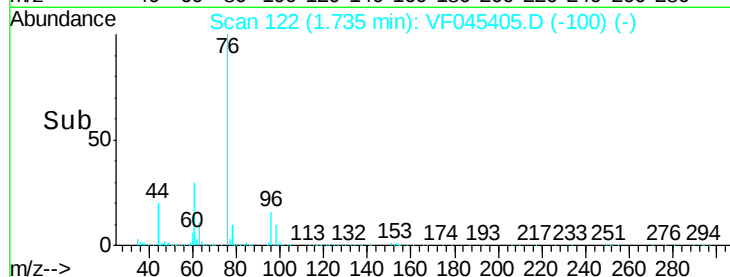
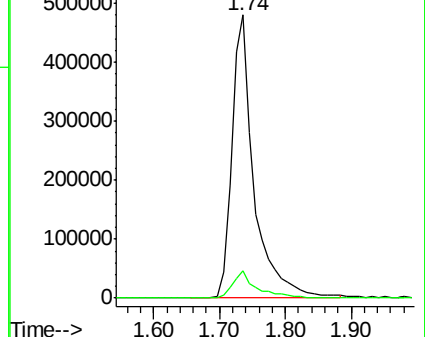
76 100

78 9.7 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 49.87 ug/l

RT: 2.30 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF045405.D

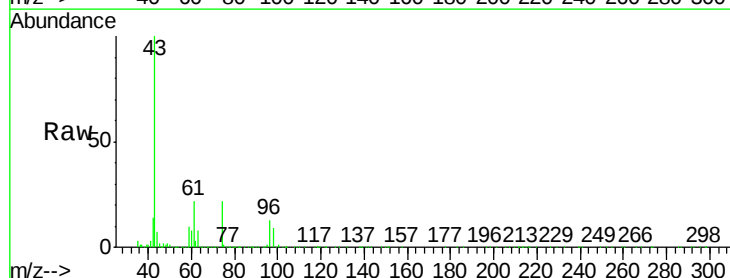
Acq: 17 Sep 2015 12:15

Tgt Ion: 43 Resp: 514448

Ion Ratio Lower Upper

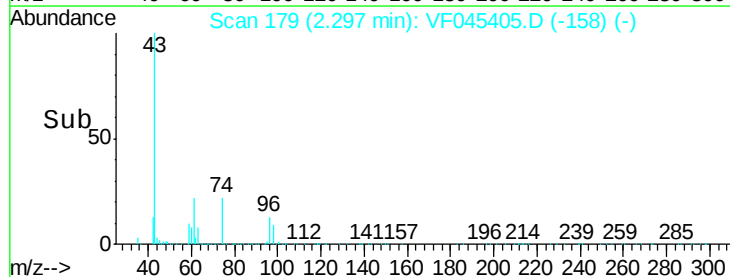
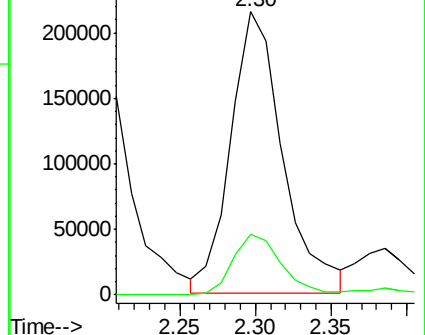
43 100

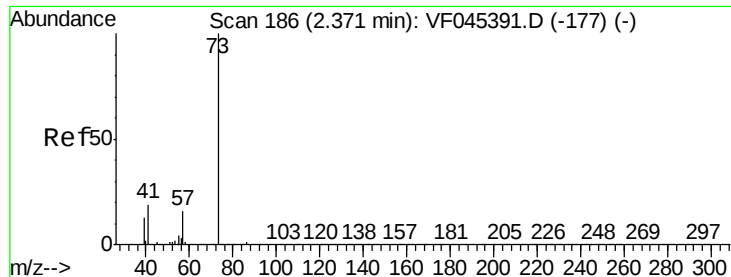
74 21.6 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



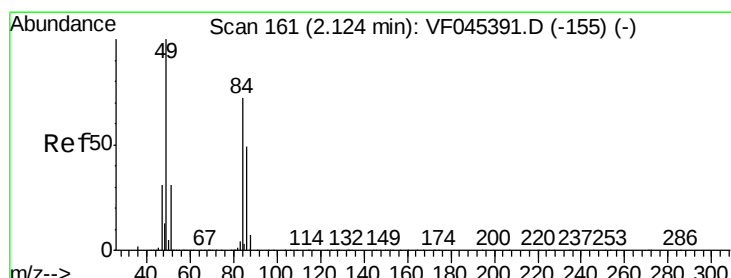
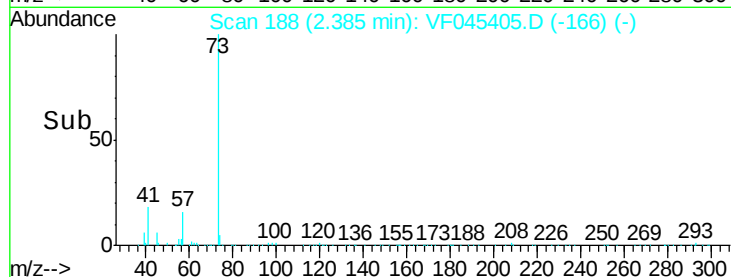
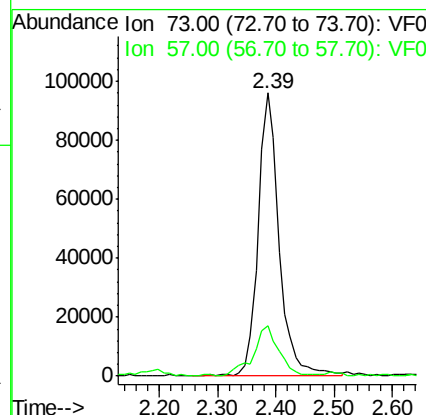
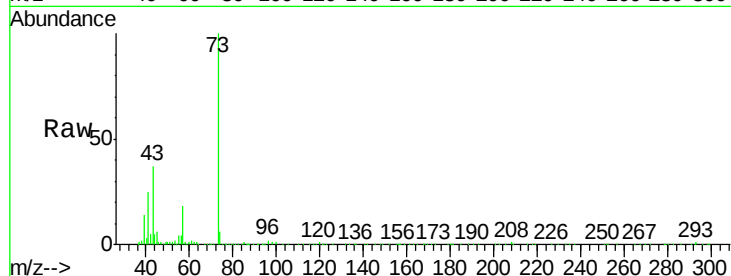


#19

Methyl tert-butyl Ether
Concen: 45.45 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

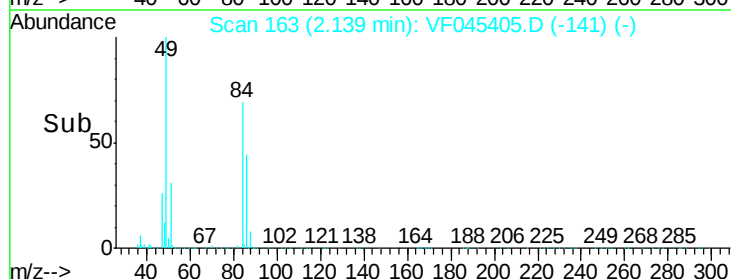
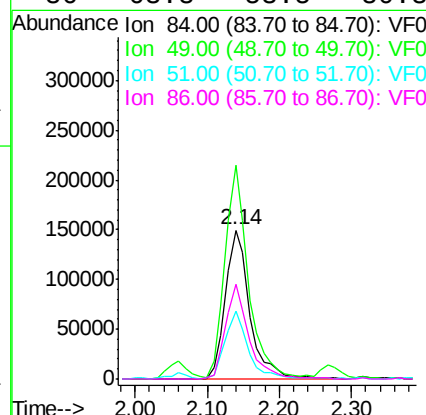
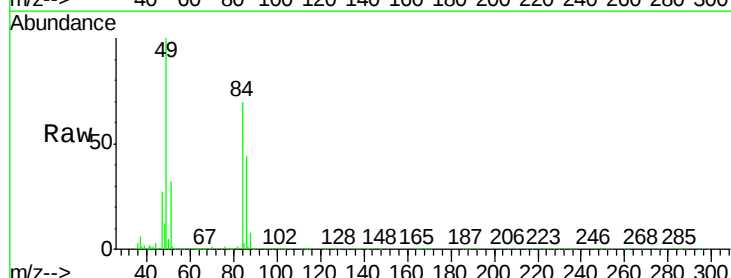
Tot Ion: 73 Resp: 241897
Ion Ratio Lower Upper
73 100
57 17.6 12.9 19.3

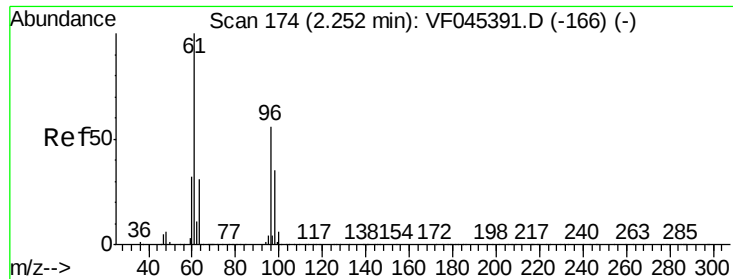


#20

Methylene Chloride
Concen: 47.99 ug/l
RT: 2.14 min Scan# 163
Delta R.T. 0.02 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 84 Resp: 352084
Ion Ratio Lower Upper
84 100
49 143.5 122.8 184.2
51 45.3 35.4 53.2
86 63.8 53.5 80.3





#21

trans-1,2-Dichloroethene

Concen: 47.80 ug/l

RT: 2.27 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

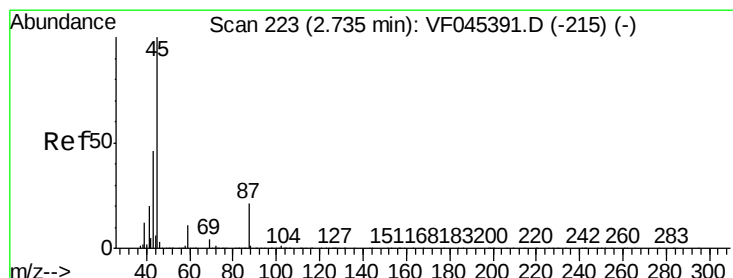
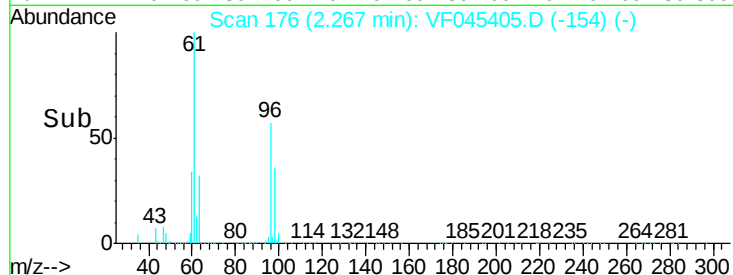
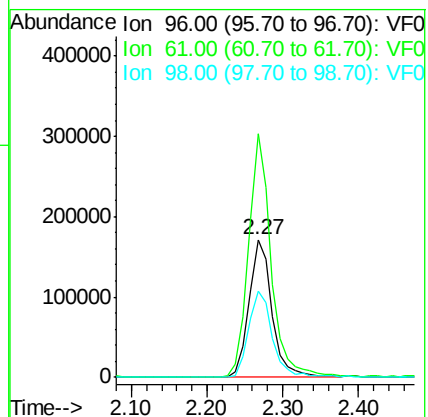
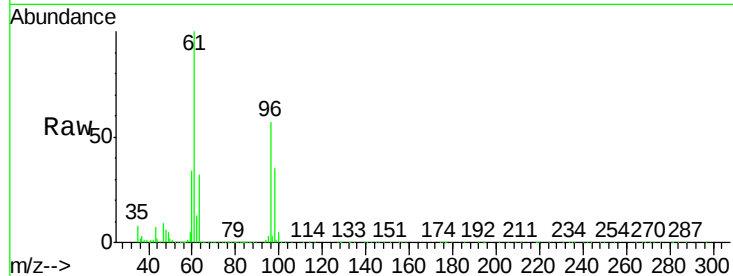
Tot Ion: 96 Resp: 362418

Ion Ratio Lower Upper

96 100

61 176.7 136.8 205.2

98 62.4 51.0 76.4



#22

Diisopropyl ether

Concen: 49.20 ug/l

RT: 2.75 min Scan# 225

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion: 45 Resp: 1100467

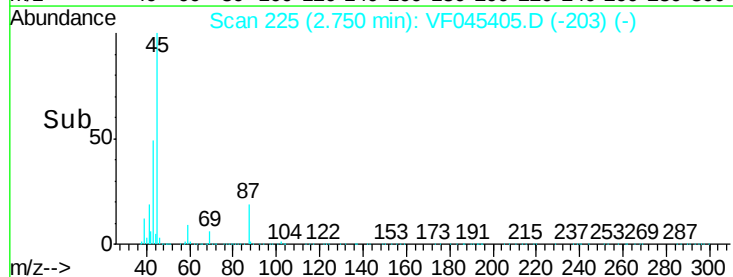
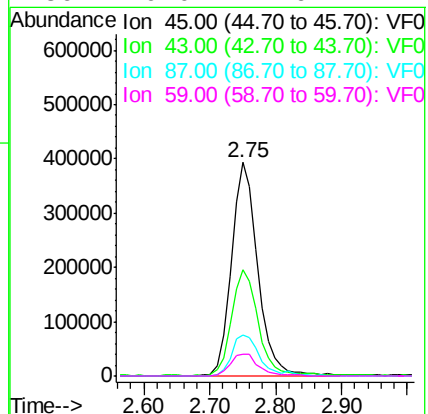
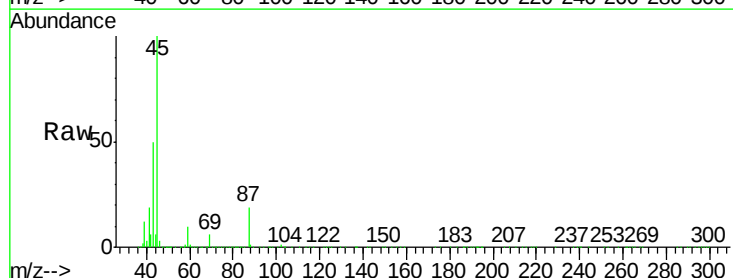
Ion Ratio Lower Upper

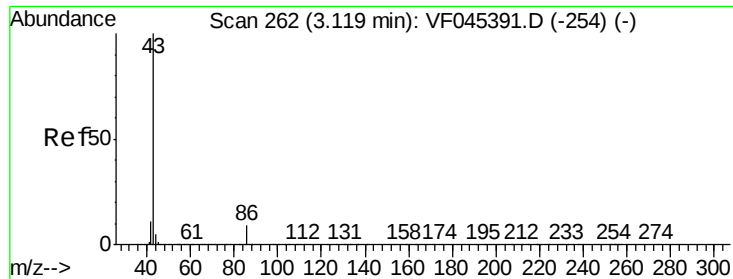
45 100

43 49.7 42.2 63.4

87 19.1 16.6 25.0

59 10.0 7.6 11.4

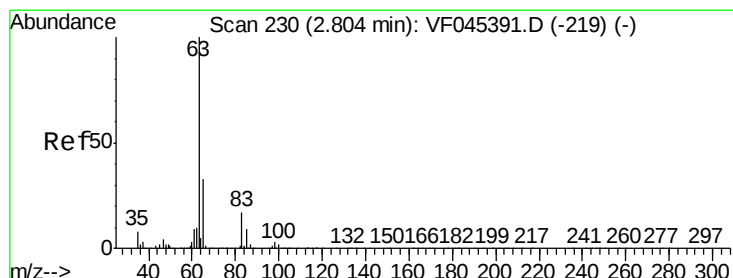
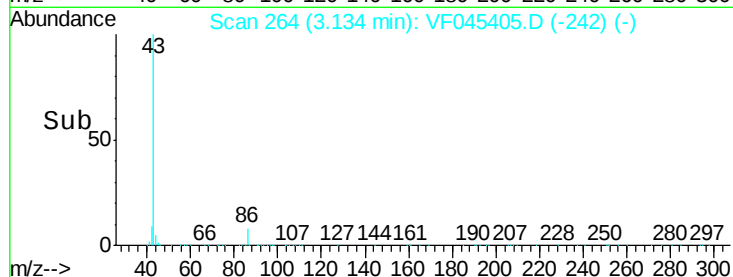
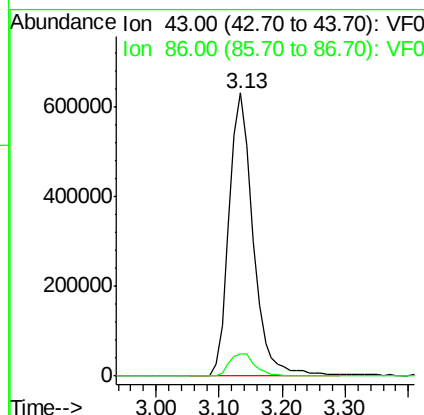
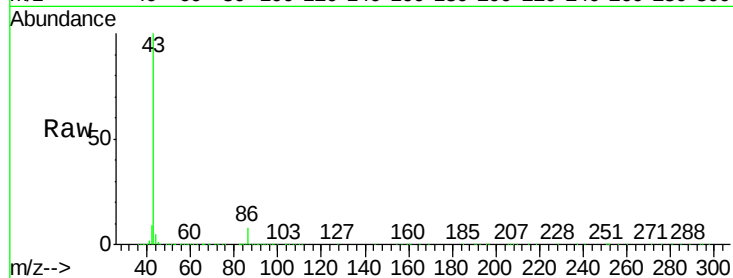




#23
 Vinyl Acetate
 Concen: 254.45 ug/l
 RT: 3.13 min Scan# 264
 Delta R.T. 0.01 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

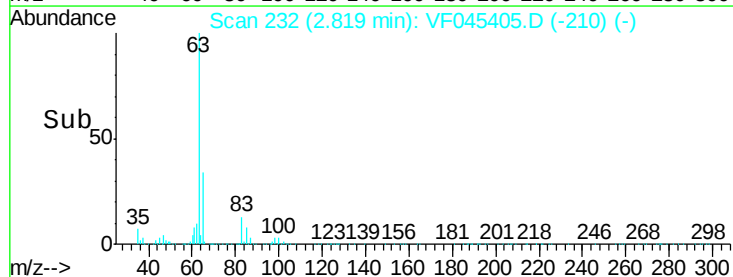
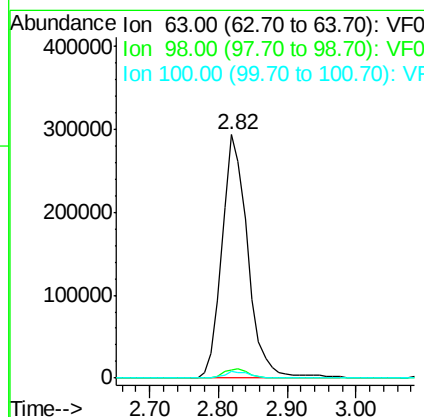
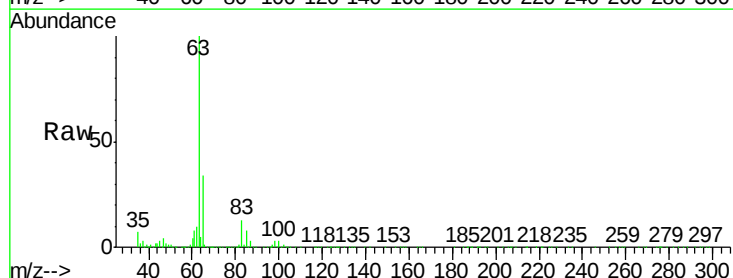
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

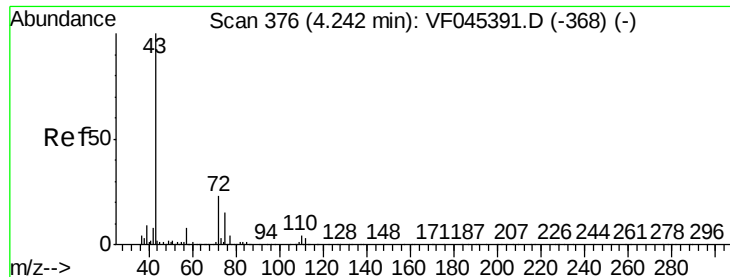
Tot Ion: 43 Resp: 1661409
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.3 9.5



#24
 1,1-Dichloroethane
 Concen: 50.22 ug/l
 RT: 2.82 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion: 63 Resp: 760328
 Ion Ratio Lower Upper
 63 100
 98 3.4 2.2 6.6
 100 2.6 1.1 3.5





#25

2-Butanone

Concen: 249.04 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

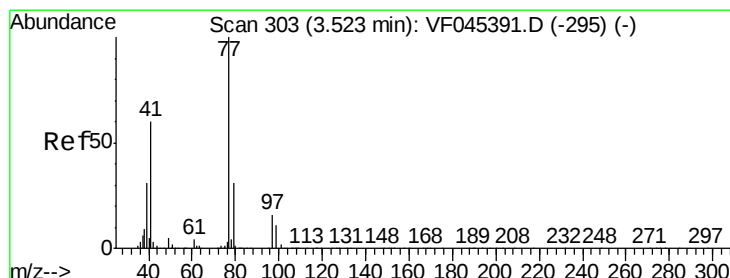
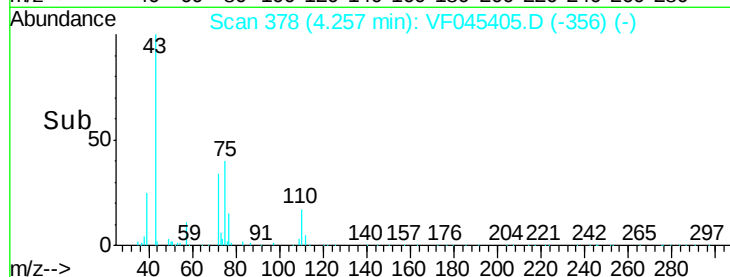
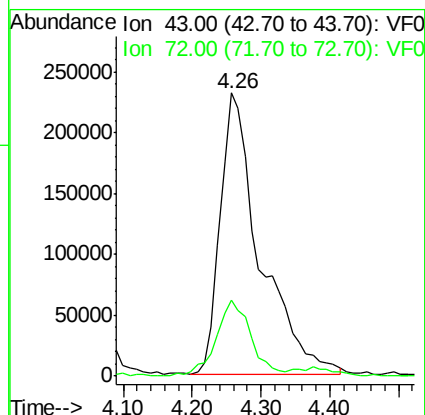
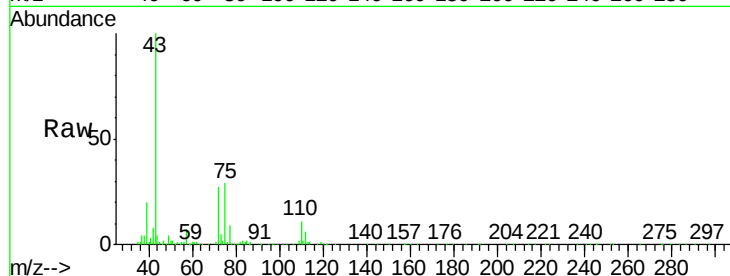
VSTDCCC050

Tot Ion: 43 Resp: 936995

Ion Ratio Lower Upper

43 100

72 26.7 20.2 30.2



#26

2,2-Dichloropropane

Concen: 48.18 ug/l

RT: 3.55 min Scan# 306

Delta R.T. 0.02 min

Lab File: VF045405.D

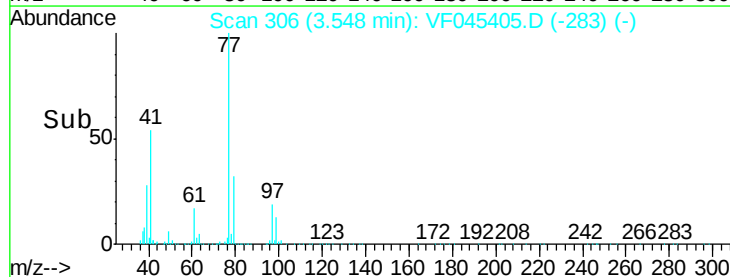
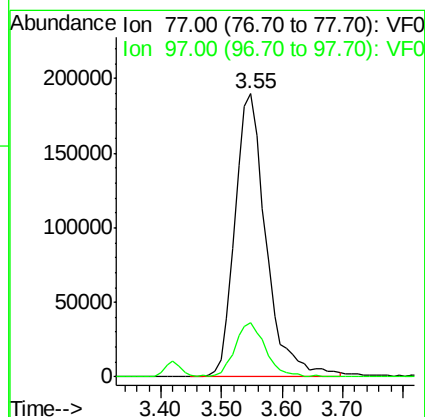
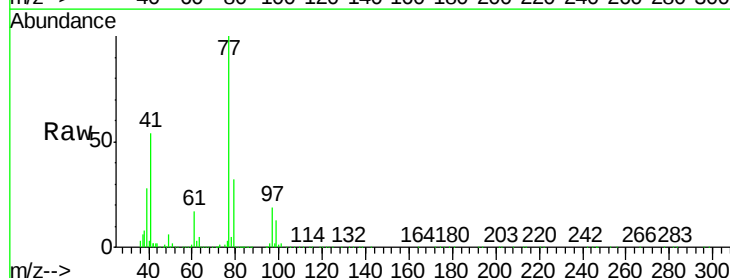
Acq: 17 Sep 2015 12:15

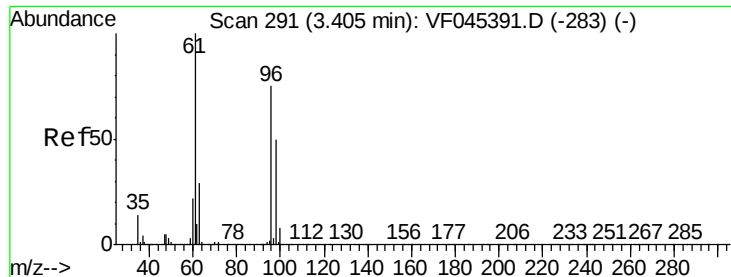
Tgt Ion: 77 Resp: 679324

Ion Ratio Lower Upper

77 100

97 19.1 9.2 27.4



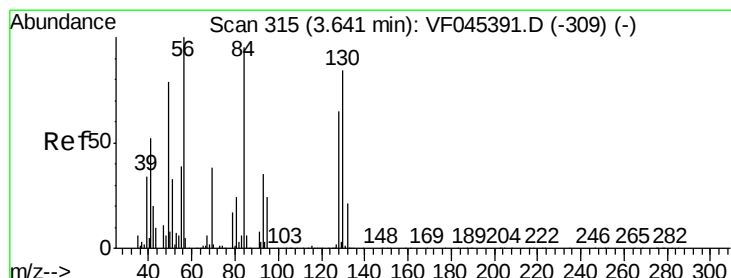
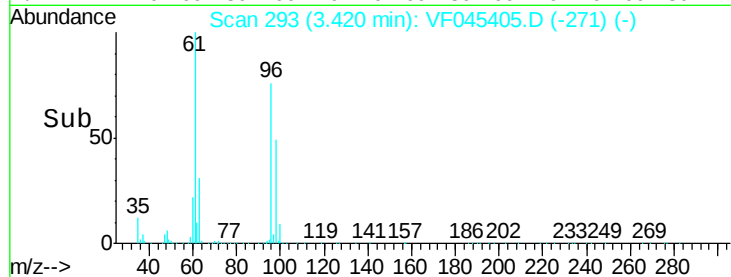
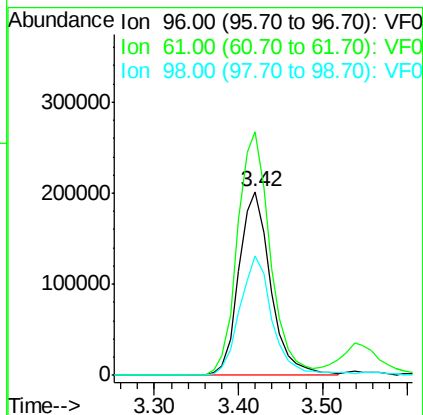
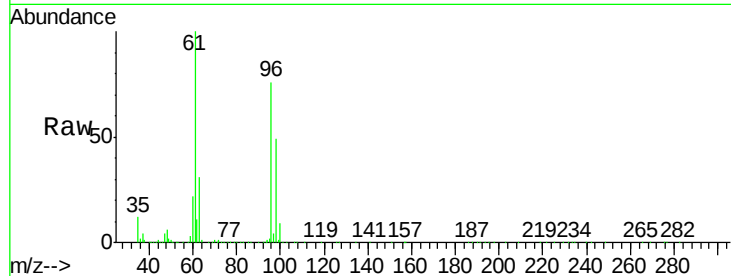


#27

cis-1,2-Dichloroethene
Concen: 45.51 ug/l
RT: 3.42 min Scan# 293
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

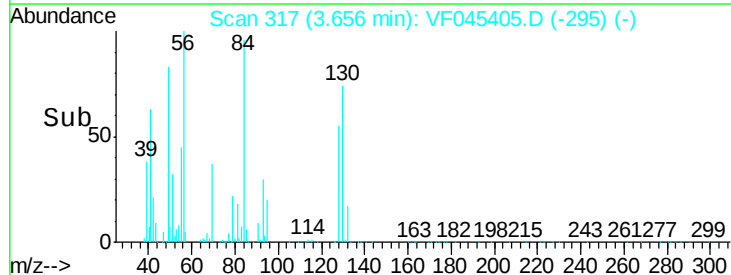
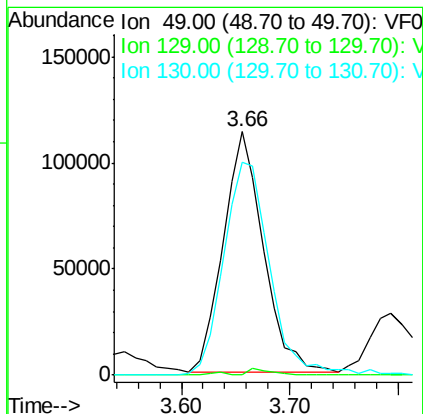
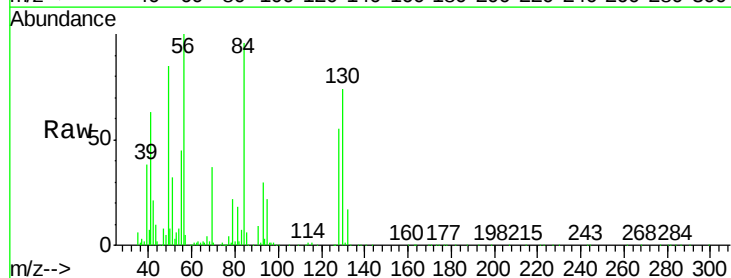
Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	268.6
98	64.7	0.0	135.8

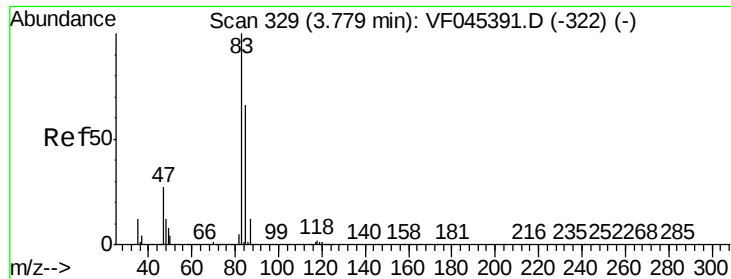


#28

Bromochloromethane
Concen: 48.87 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	87.2	79.6	119.4

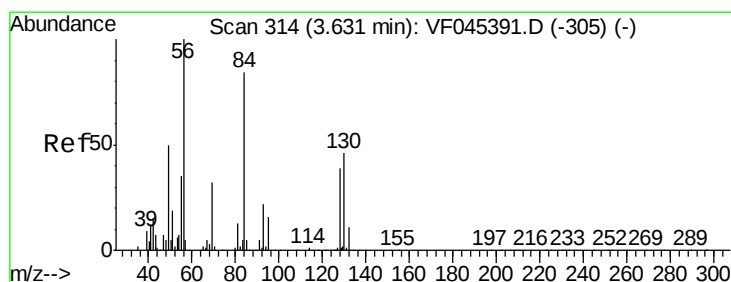
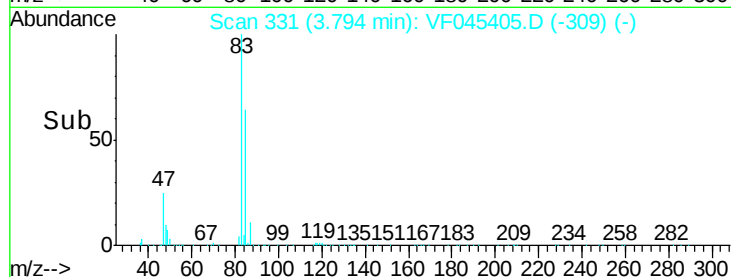
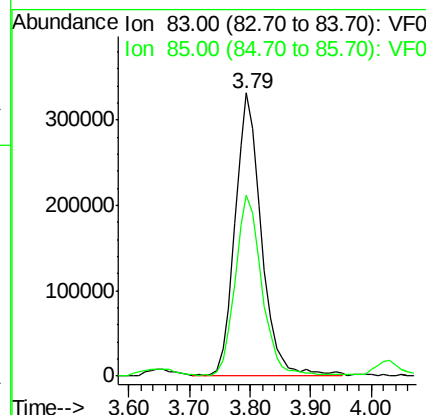
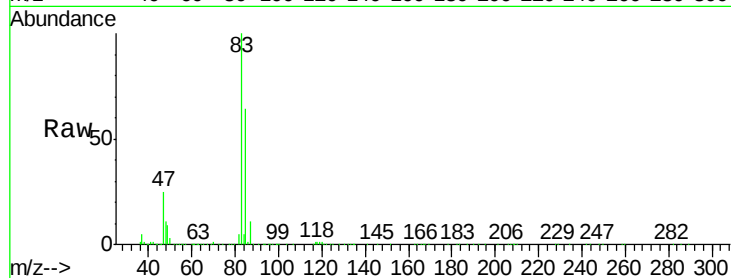




#29
Chloroform
Concen: 47.01 ug/l
RT: 3.79 min Scan# 331
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

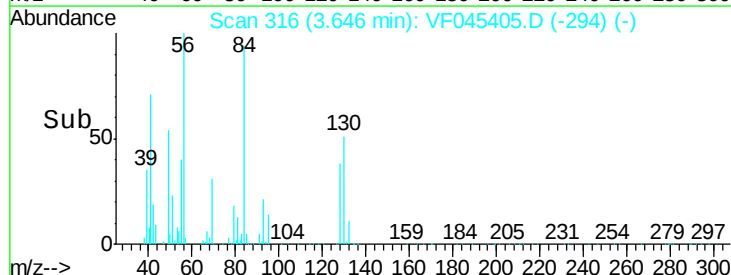
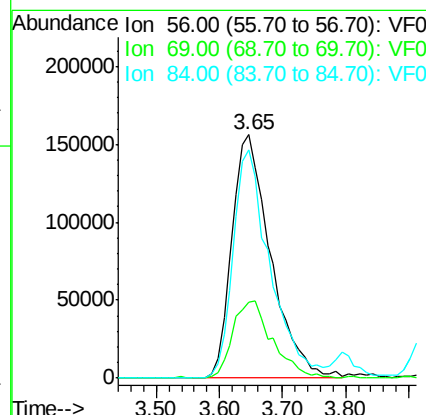
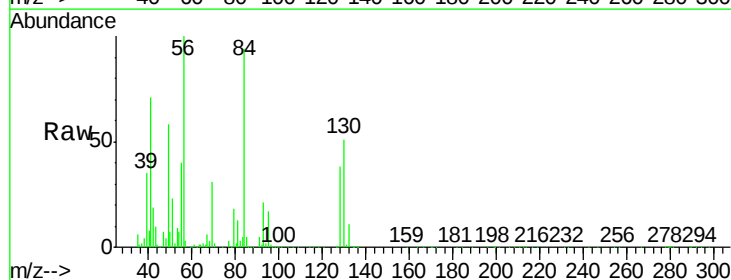
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

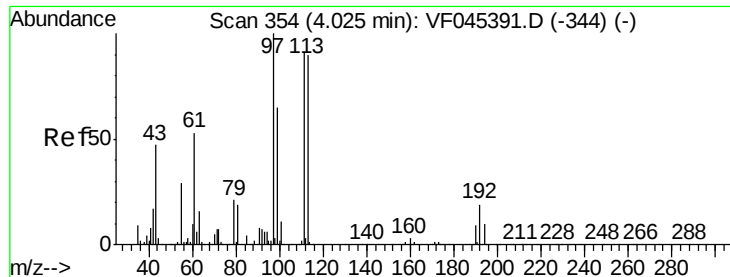
Tot Ion: 83 Resp: 1000537
Ion Ratio Lower Upper
83 100
85 63.8 51.6 77.4



#30
Cyclohexane
Concen: 48.63 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 56 Resp: 664401
Ion Ratio Lower Upper
56 100
69 31.2 26.1 39.1
84 93.7 72.2 108.4





#31

1,1,1-Trichloroethane

Concen: 46.16 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

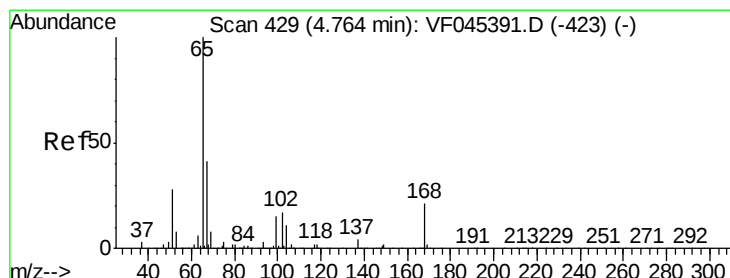
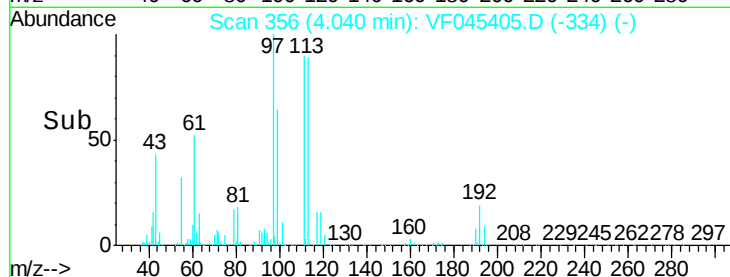
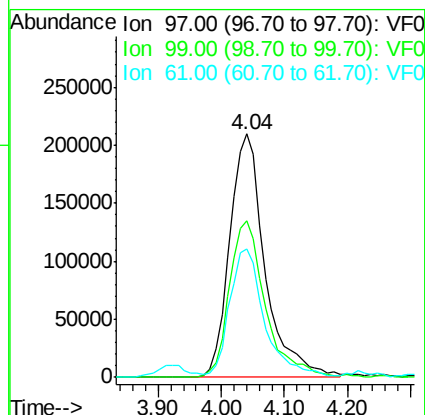
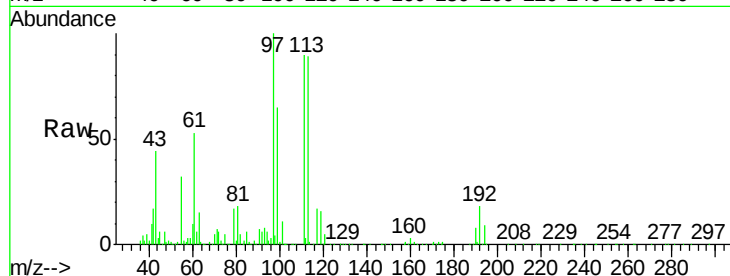
Tot Ion: 97 Resp: 813740

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 52.5 37.8 56.6



#32

1,2-Dichloroethane-d4

Concen: 46.62 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF045405.D

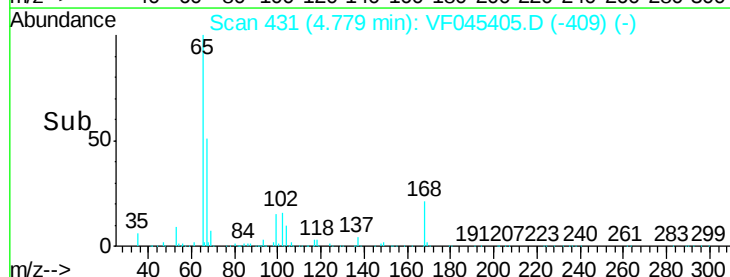
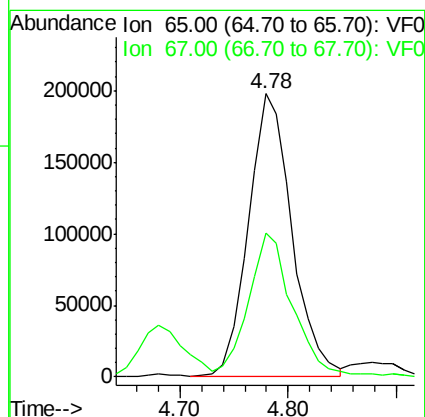
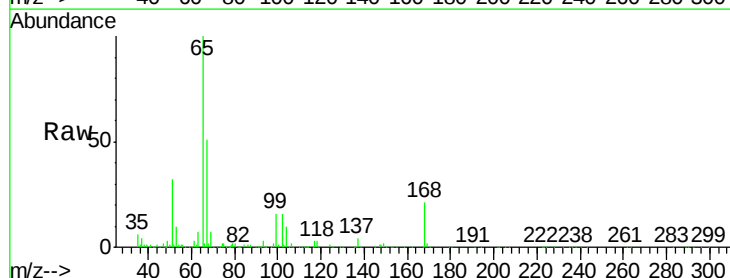
Acq: 17 Sep 2015 12:15

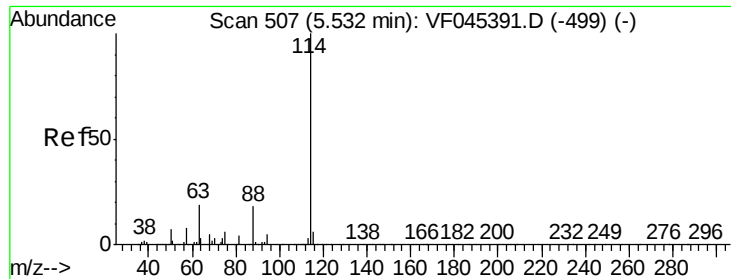
Tgt Ion: 65 Resp: 552321

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.2

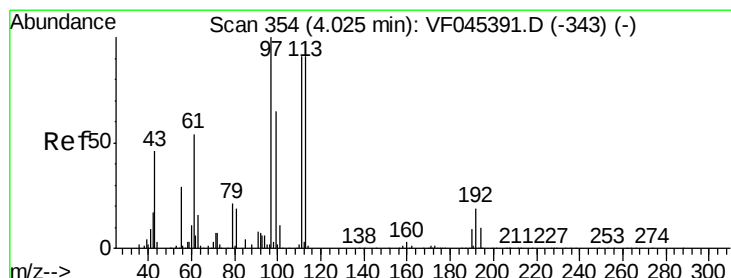
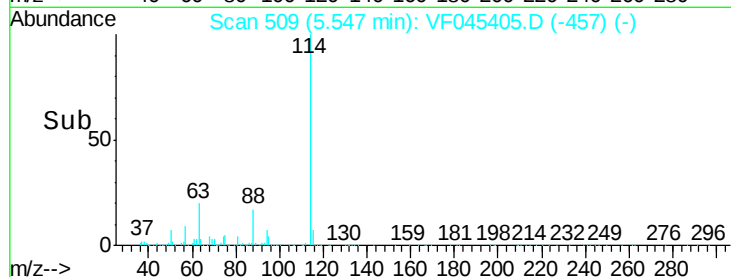
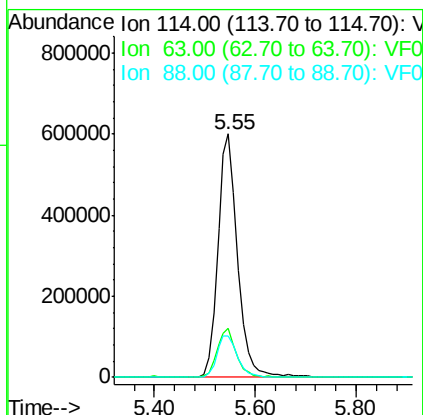
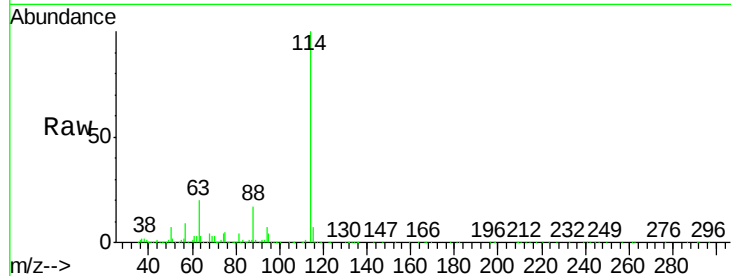




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

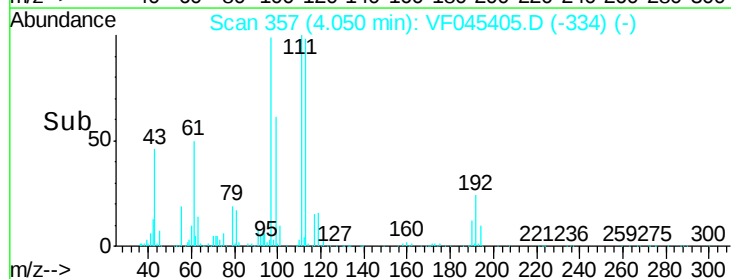
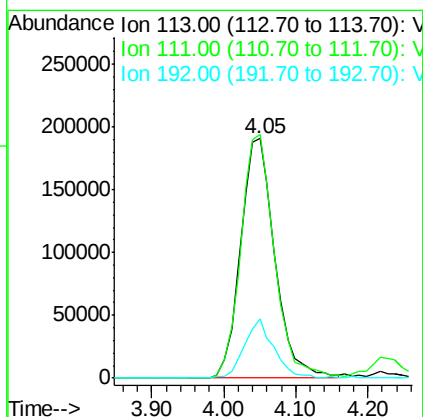
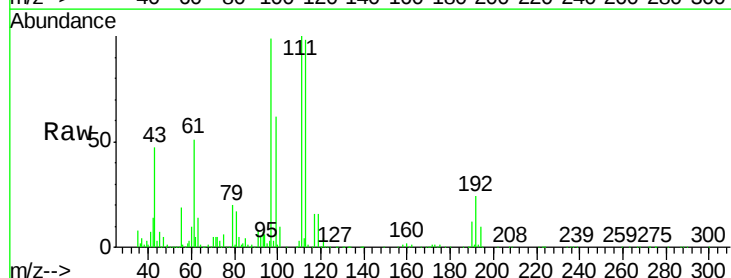
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

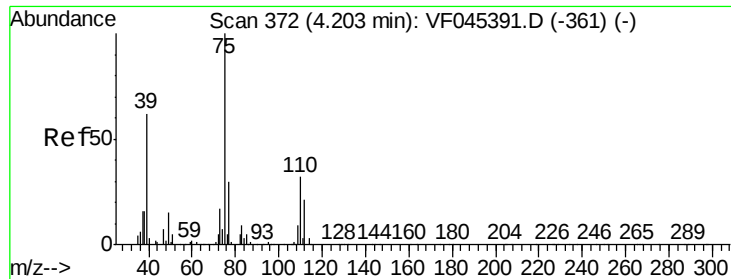
Tot Ion:114 Resp: 1634344
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.2
 88 17.0 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 49.67 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion:113 Resp: 628820
 Ion Ratio Lower Upper
 113 100
 111 101.6 75.5 113.3
 192 24.5 15.6 23.4#





#35

1,1-Dichloropropene

Concen: 48.67 ug/l

RT: 4.23 min Scan# 375

Delta R.T. 0.02 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

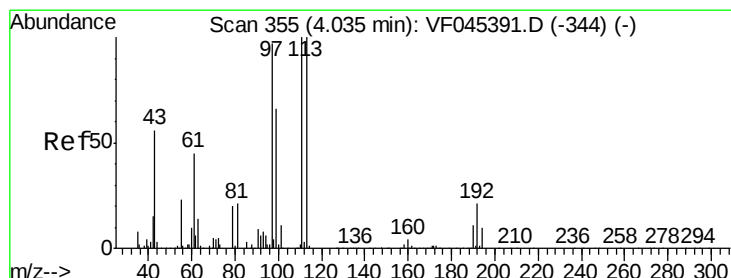
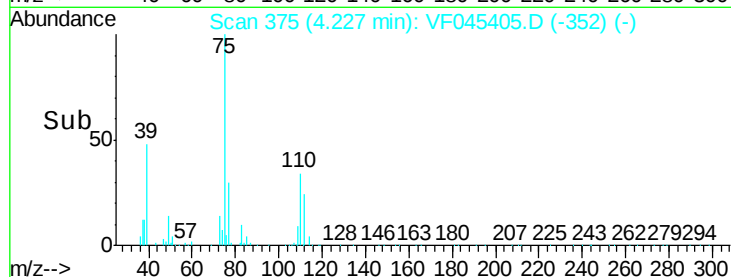
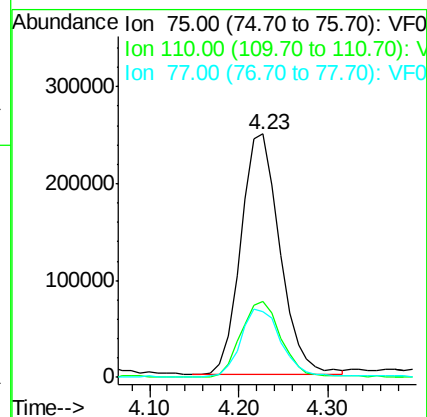
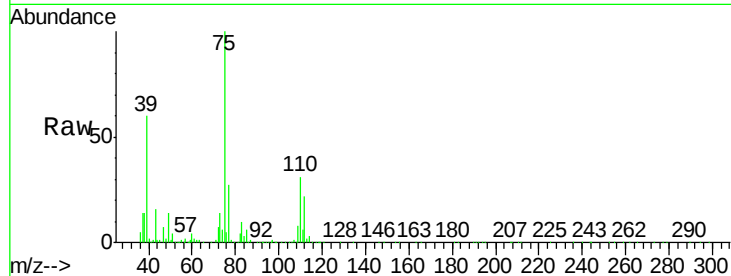
Tot Ion: 75 Resp: 754612

Ion Ratio Lower Upper

75 100

110 31.0 15.9 47.6

77 27.1 24.2 36.4



#36

Ethyl Acetate

Concen: 47.61 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

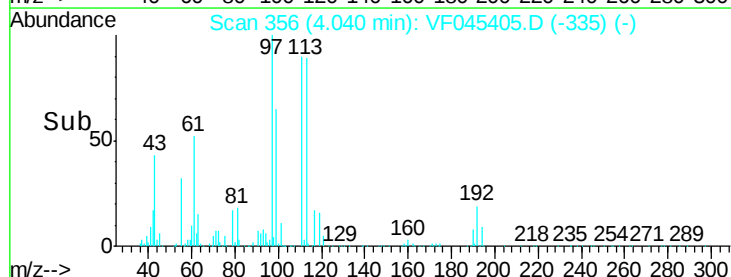
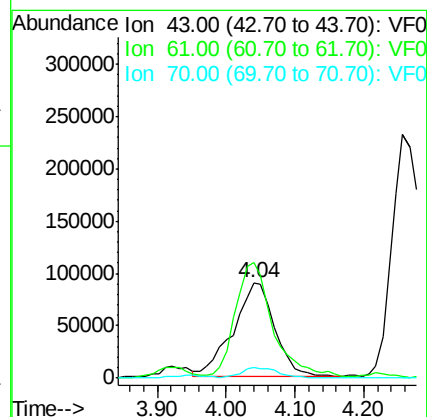
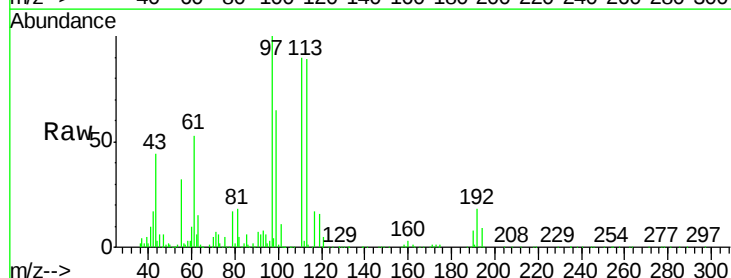
Tgt Ion: 43 Resp: 373480

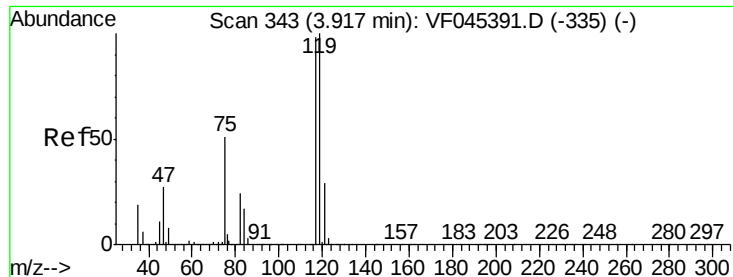
Ion Ratio Lower Upper

43 100

61 120.4 49.4 74.0#

70 11.7 10.8 16.2





#37

Carbon Tetrachloride

Concen: 44.59 ug/l

RT: 3.93 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

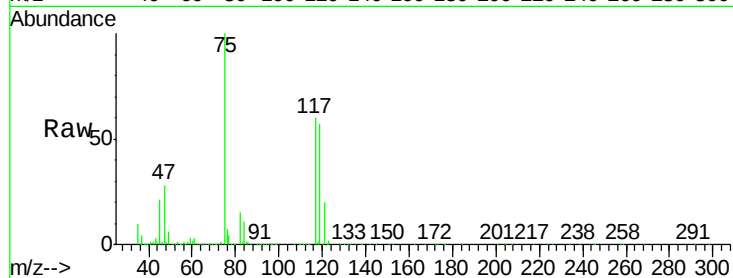
Tot Ion:117 Resp: 728337

Ion Ratio Lower Upper

117 100

119 95.3 77.8 116.8

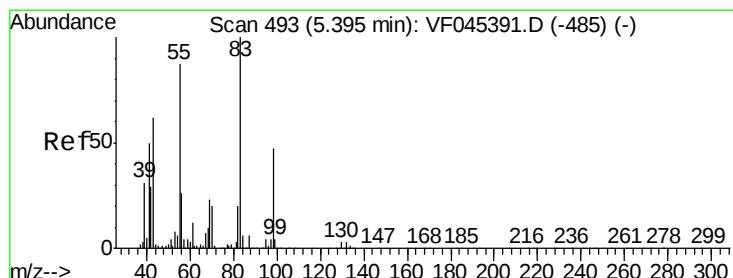
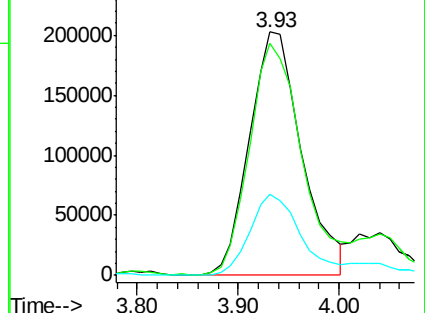
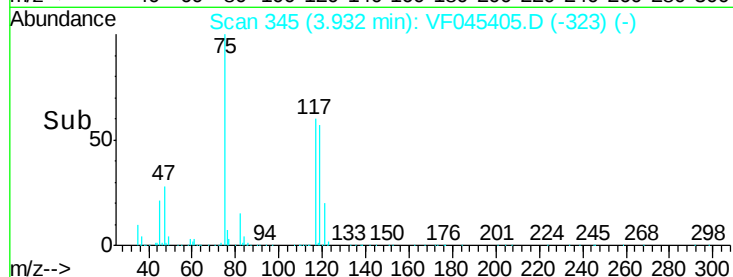
121 33.2 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Methylcyclohexane

Concen: 45.86 ug/l

RT: 5.41 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

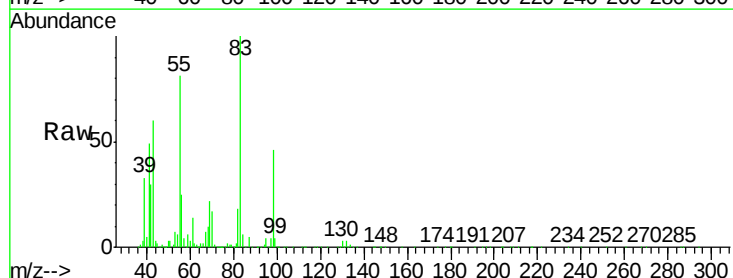
Tgt Ion: 83 Resp: 764364

Ion Ratio Lower Upper

83 100

55 81.2 60.5 90.7

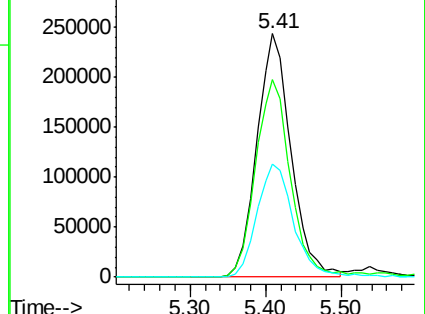
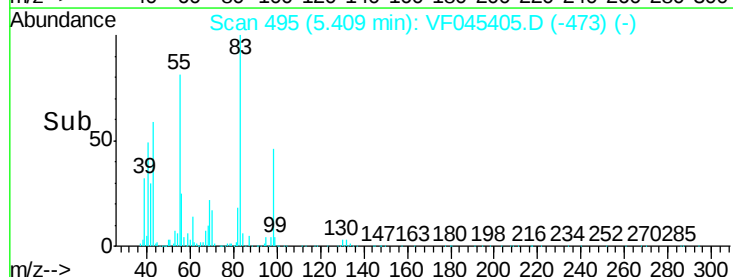
98 46.5 38.1 57.1

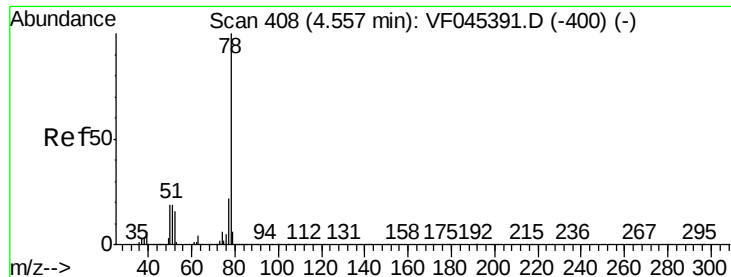


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#39

Benzene

Concen: 44.49 ug/l

RT: 4.58 min Scan# 411

Delta R.T. 0.02 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

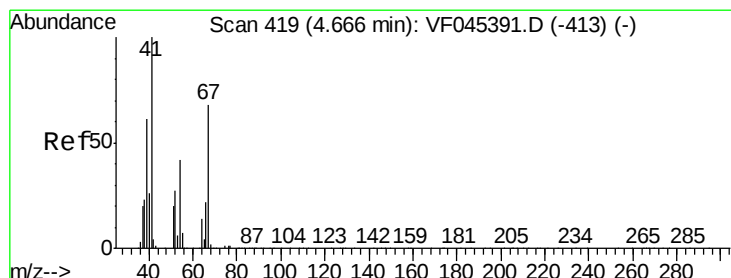
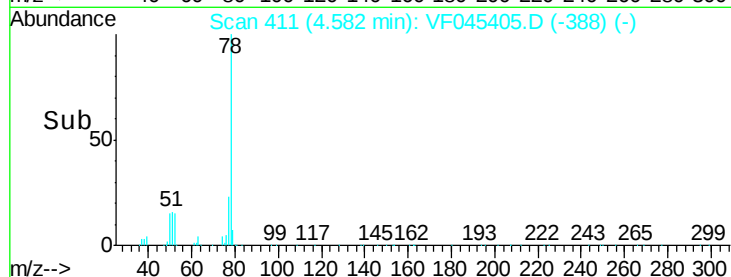
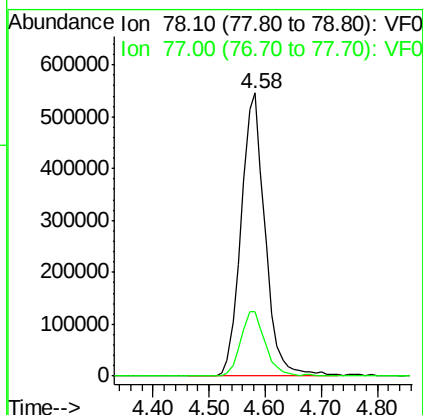
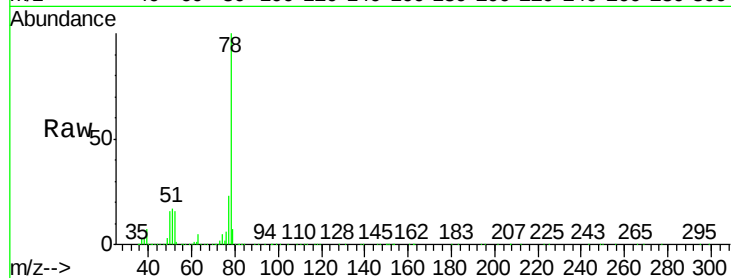
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 78 Resp: 1612566

Ion Ratio Lower Upper

78 100

77 22.8 18.6 28.0



#40

Methacrylonitrile

Concen: 44.25 ug/l

RT: 4.69 min Scan# 422

Delta R.T. 0.02 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion: 41 Resp: 164316

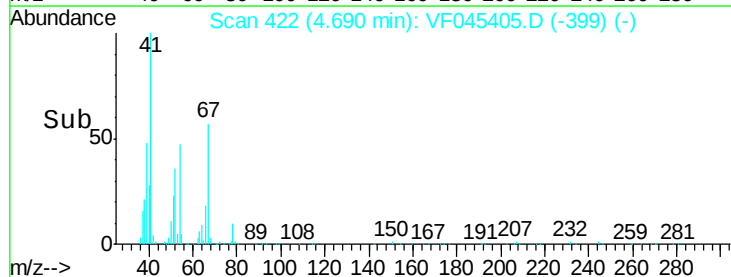
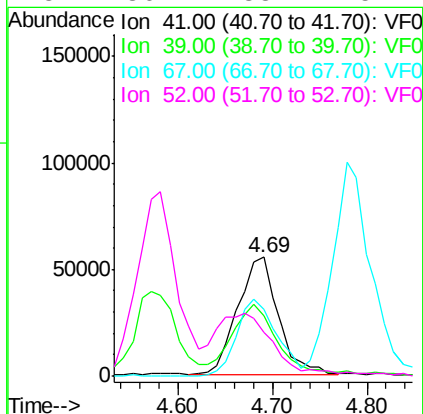
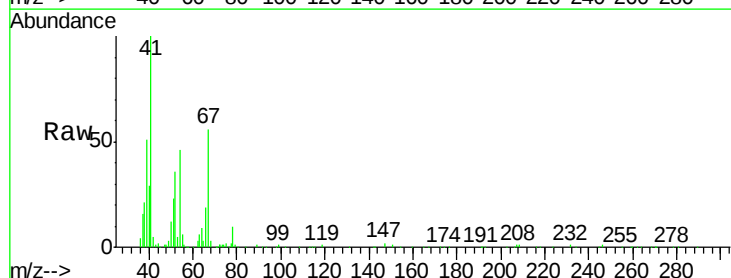
Ion Ratio Lower Upper

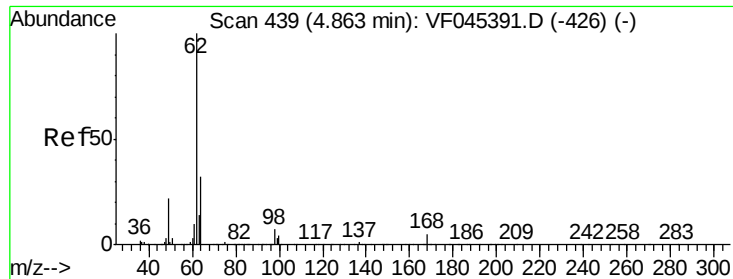
41 100

39 50.8 44.9 67.3

67 56.5 49.0 73.4

52 36.4 38.2 57.2#





#41

1,2-Dichloroethane

Concen: 42.89 ug/l

RT: 4.88 min Scan# 441

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

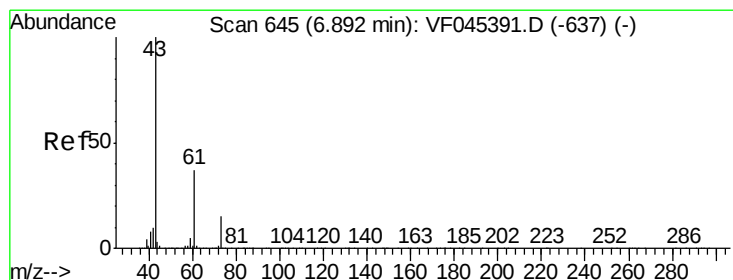
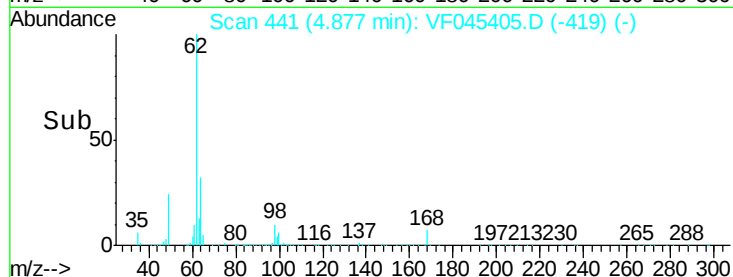
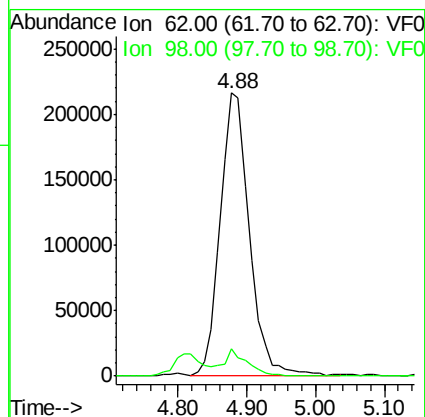
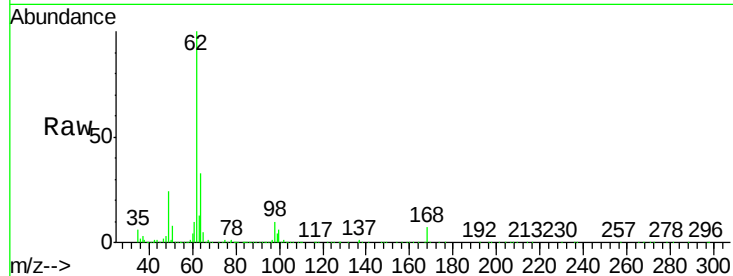
VSTDCCC050

Tot Ion: 62 Resp: 627113

Ion Ratio Lower Upper

62 100

98 9.7 0.0 17.0



#42

Isopropyl Acetate

Concen: 50.03 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

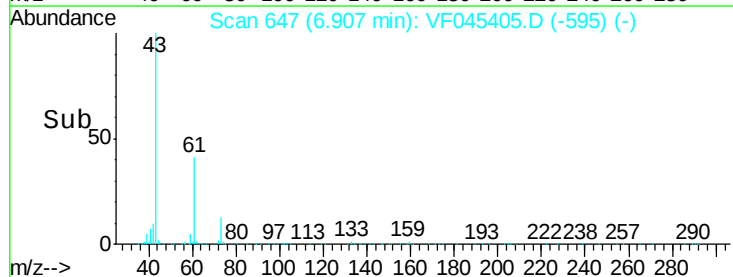
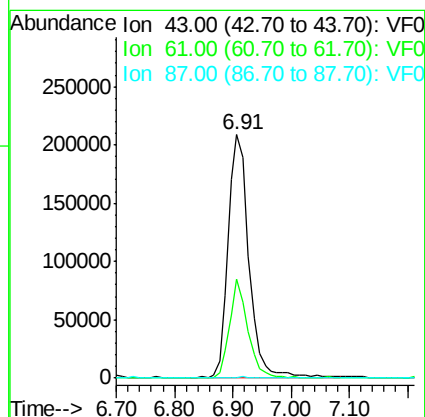
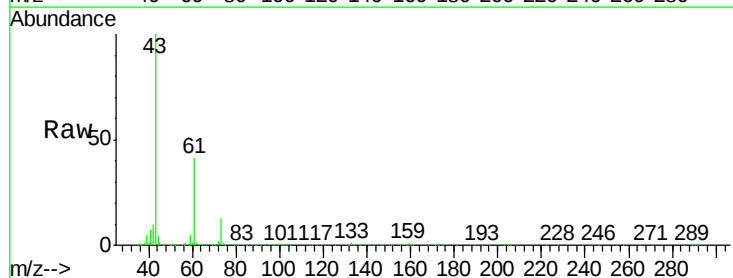
Tgt Ion: 43 Resp: 517130

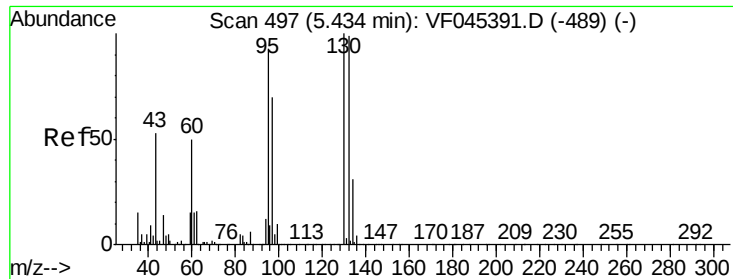
Ion Ratio Lower Upper

43 100

61 40.6 29.8 44.6

87 0.1 0.2 0.2#





#43

Trichloroethene

Concen: 45.19 ug/l

RT: 5.45 min Scan# 499

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

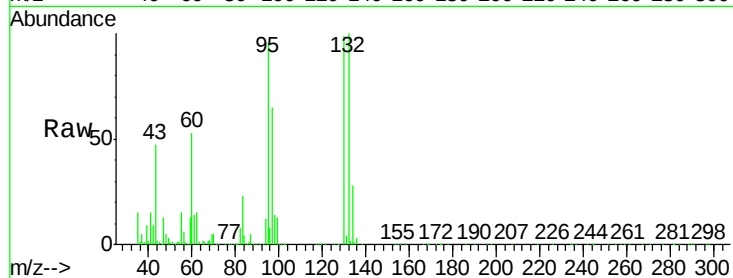
VSTDCCC050

Tot Ion:130 Resp: 559402

Ion Ratio Lower Upper

130 100

95 96.5 0.0 192.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

5.45

250000

200000

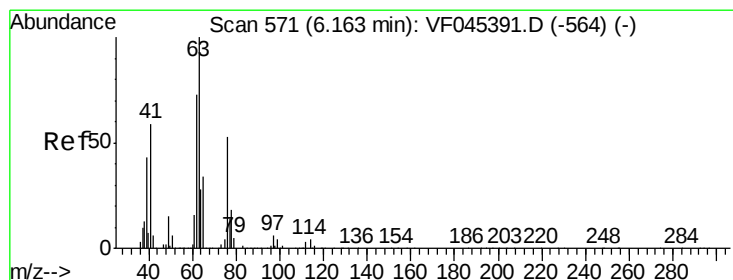
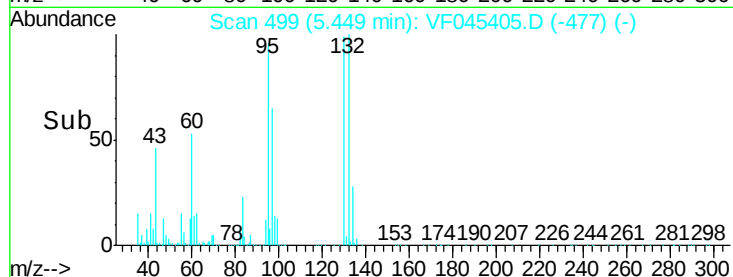
150000

100000

50000

0

Time--> 5.30 5.40 5.50 5.60



#44

1,2-Dichloropropane

Concen: 45.50 ug/l

RT: 6.18 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF045405.D

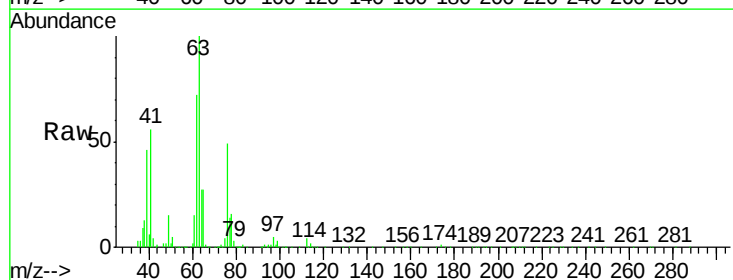
Acq: 17 Sep 2015 12:15

Tgt Ion: 63 Resp: 480571

Ion Ratio Lower Upper

63 100

65 27.1 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.18

200000

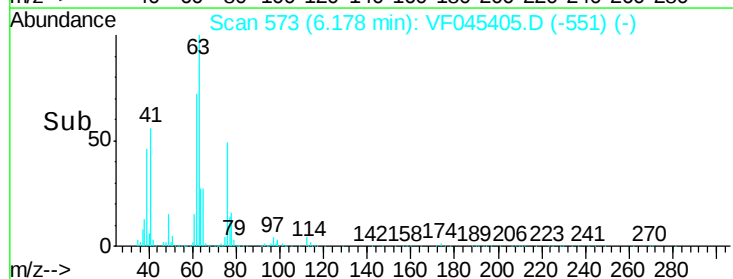
150000

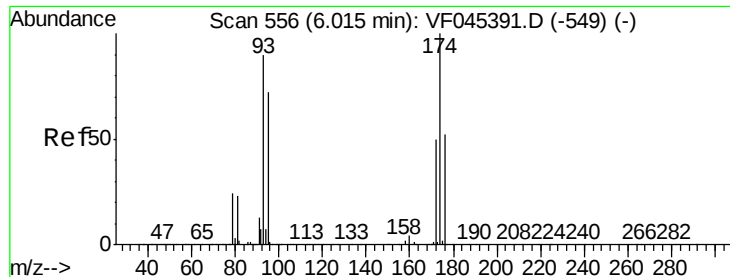
100000

50000

0

Time--> 6.10 6.20 6.30





#45

Dibromomethane

Concen: 45.06 ug/l

RT: 6.03 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

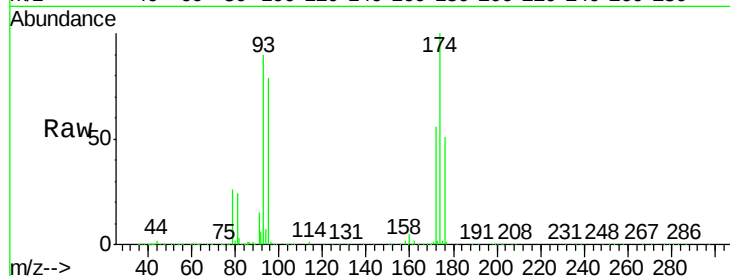
Tot Ion: 93 Resp: 338655

Ion Ratio Lower Upper

93 100

95 87.8 69.8 104.6

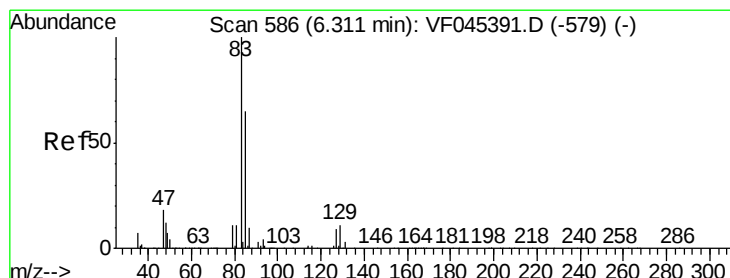
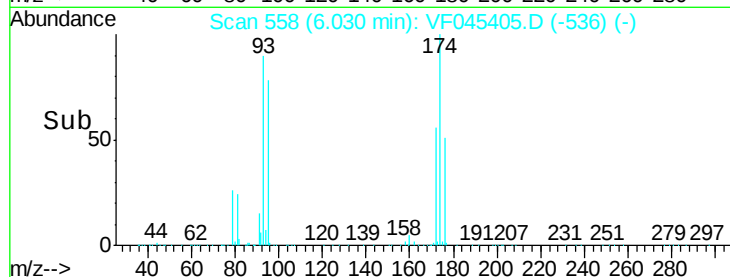
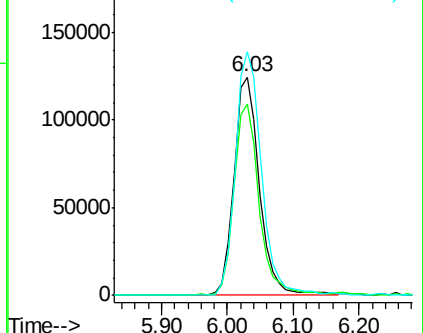
174 111.5 90.5 135.7



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V



#46

Bromodichloromethane

Concen: 44.47 ug/l

RT: 6.33 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

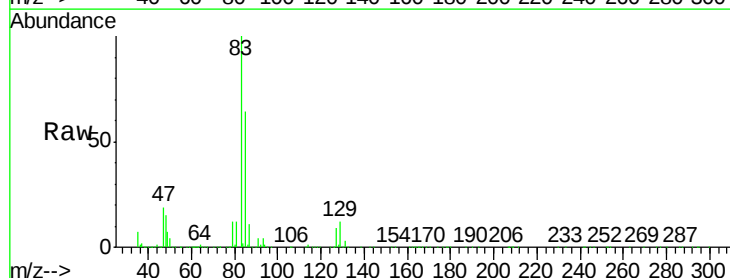
Tgt Ion: 83 Resp: 748411

Ion Ratio Lower Upper

83 100

85 64.2 50.6 75.8

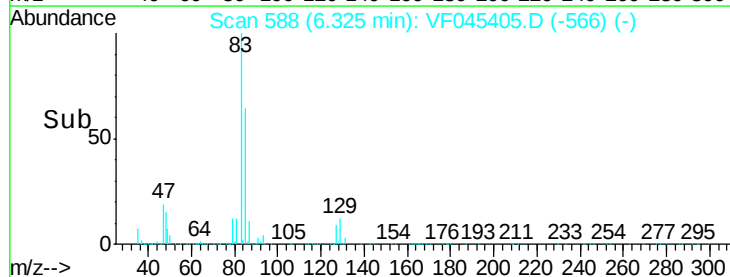
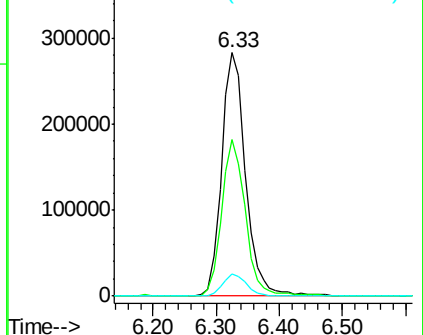
127 8.9 7.7 11.5

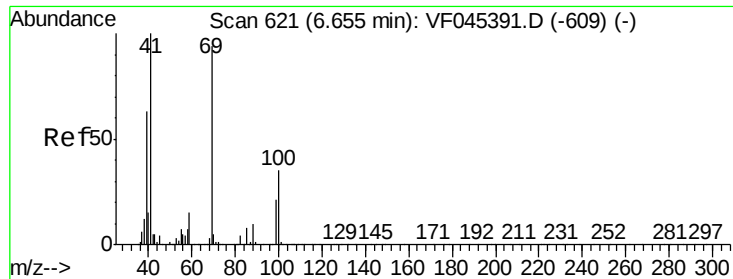


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

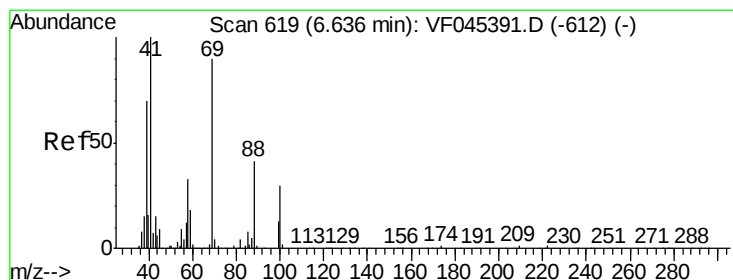
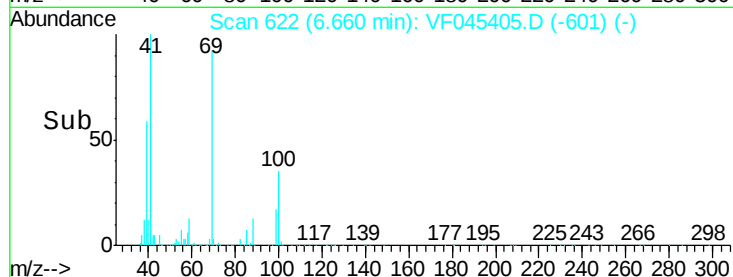
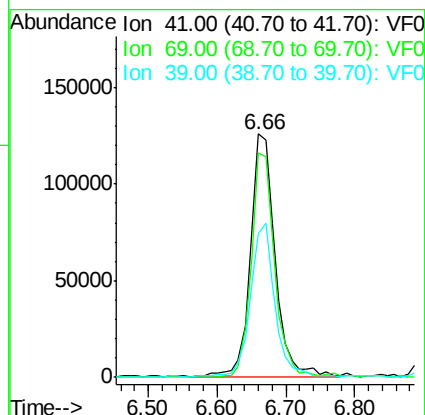
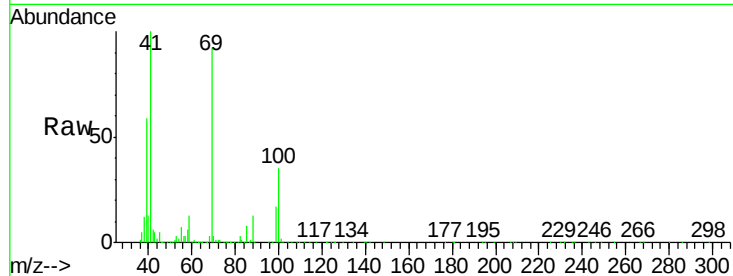




#47
Methvl methacrvlate
Concen: 49.66 ug/l
RT: 6.66 min Scan# 622
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

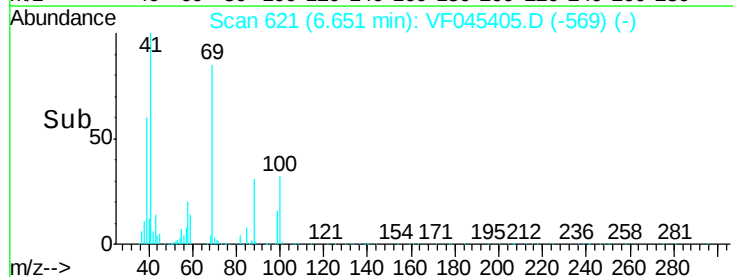
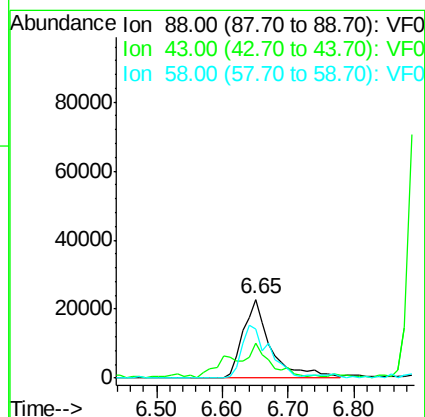
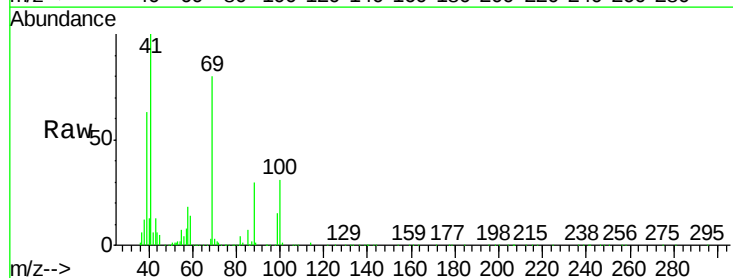
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

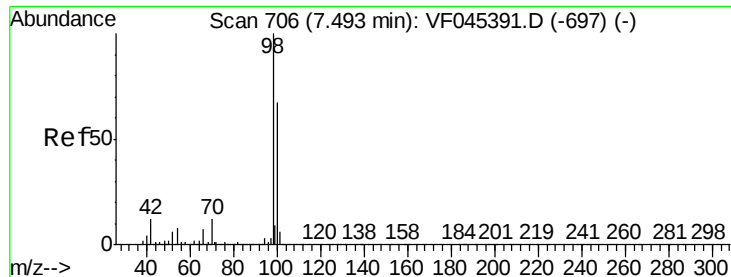
Tot Ion: 41 Resp: 311575
Ion Ratio Lower Upper
41 100
69 92.1 63.3 94.9
39 59.0 48.9 73.3



#48
1,4-Dioxane
Concen: 903.16 ug/l
RT: 6.65 min Scan# 621
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 88 Resp: 67875
Ion Ratio Lower Upper
88 100
43 44.6 34.5 51.7
58 62.2 46.5 69.7





#49

Toluene-d8

Concen: 48.89 ug/l

RT: 7.50 min Scan# 707

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

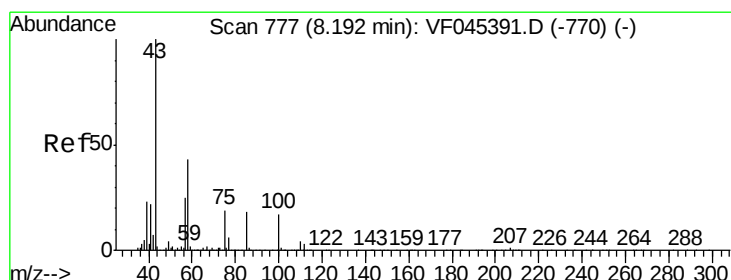
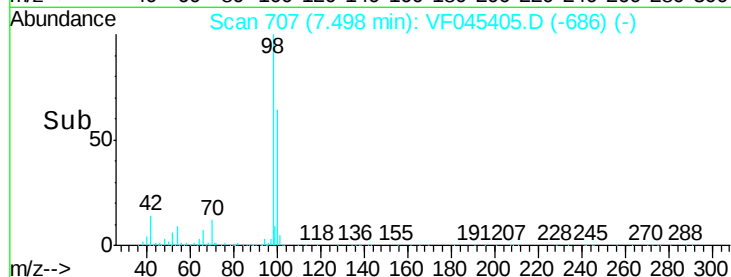
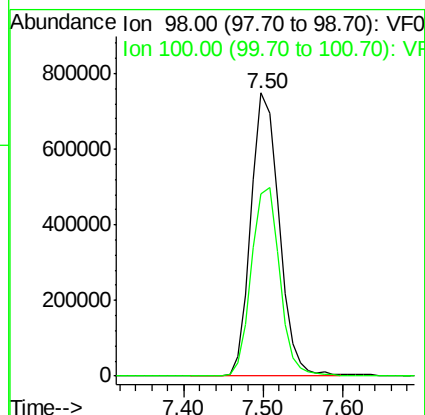
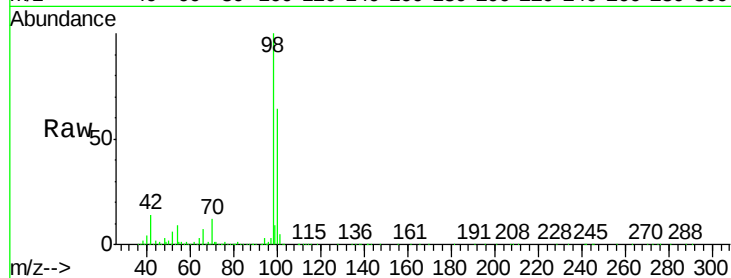
VSTDCCC050

Tot Ion: 98 Resp: 1823566

Ion Ratio Lower Upper

98 100

100 64.4 54.4 81.6



#50

4-Methyl-2-Pentanone

Concen: 240.72 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045405.D

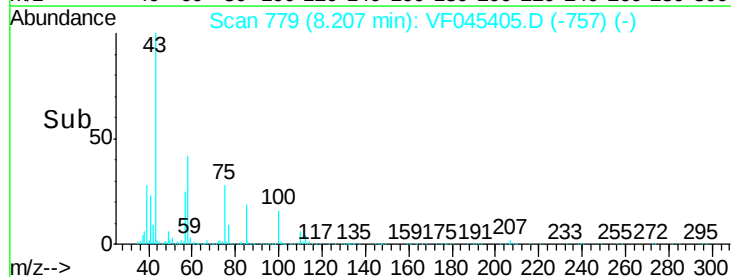
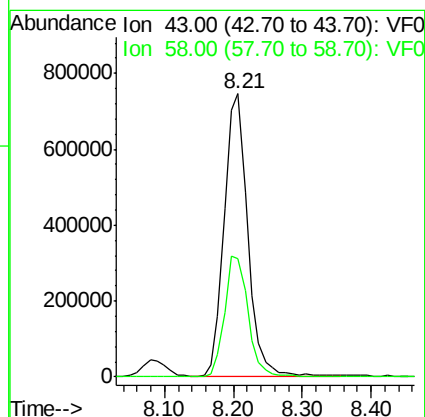
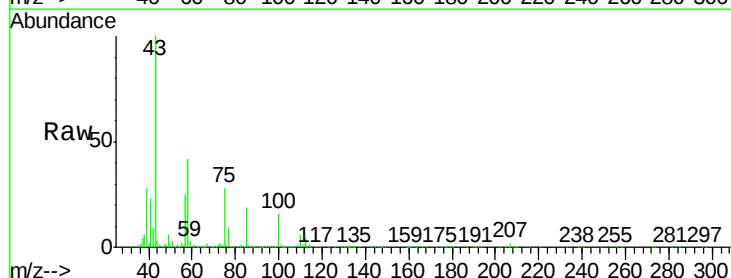
Acq: 17 Sep 2015 12:15

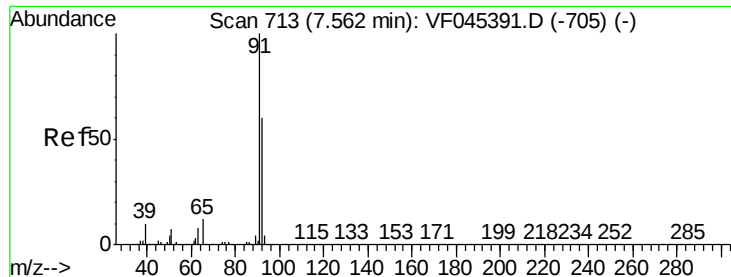
Tgt Ion: 43 Resp: 1769273

Ion Ratio Lower Upper

43 100

58 42.0 33.6 50.4





#51

Toluene

Concen: 46.61 ug/l

RT: 7.57 min Scan# 714

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

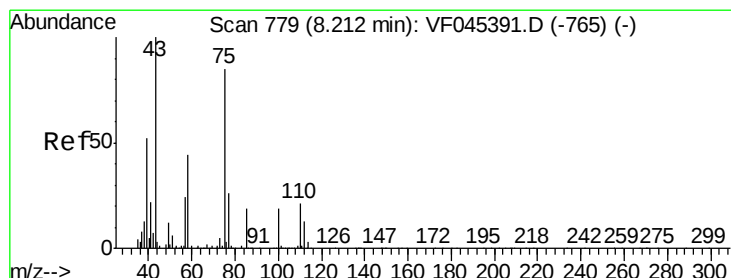
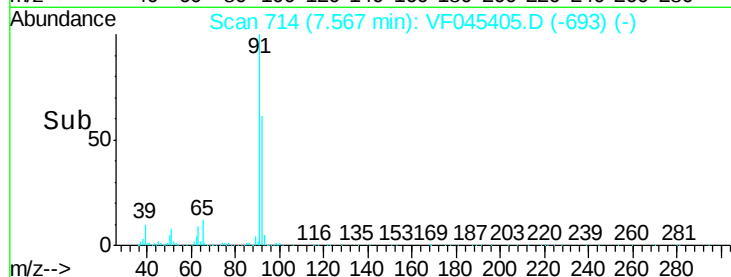
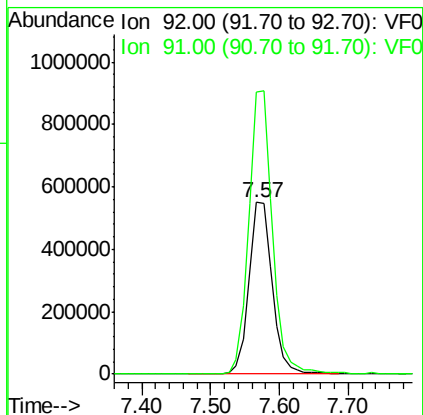
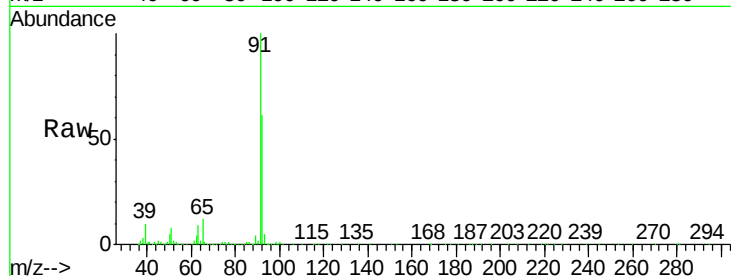
VSTDCCC050

Tot Ion: 92 Resp: 1302039

Ion Ratio Lower Upper

92 100

91 164.5 133.4 200.0



#52

t-1,3-Dichloropropene

Concen: 47.24 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.00 min

Lab File: VF045405.D

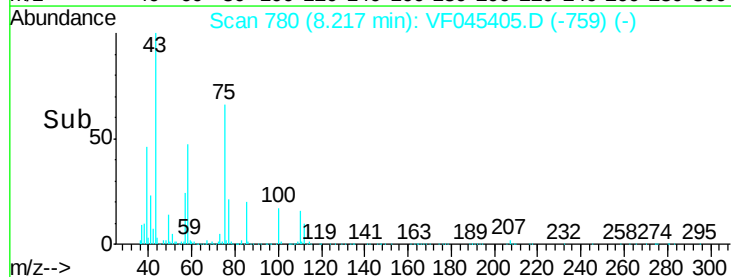
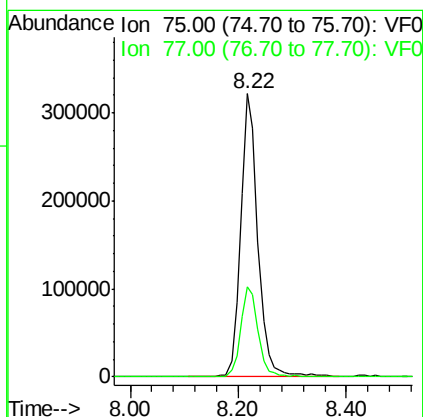
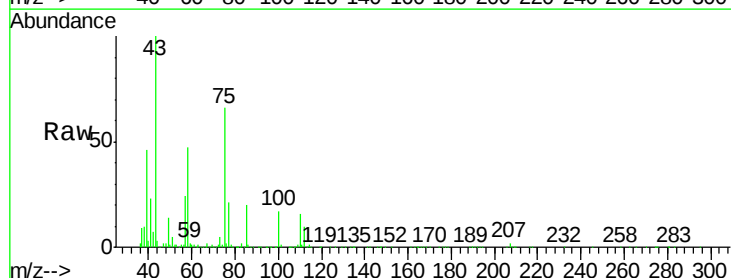
Acq: 17 Sep 2015 12:15

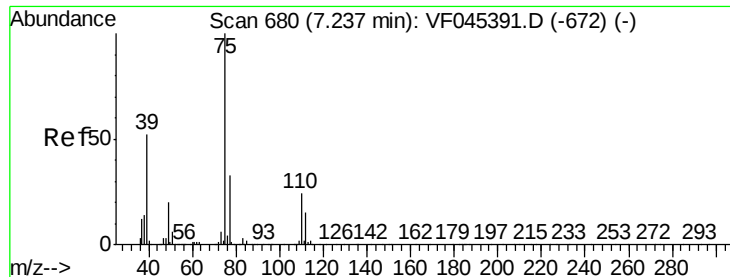
Tgt Ion: 75 Resp: 714621

Ion Ratio Lower Upper

75 100

77 31.6 28.1 42.1





#53

cis-1,3-Dichloropropene

Concen: 45.20 ug/l

RT: 7.24 min Scan# 681

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

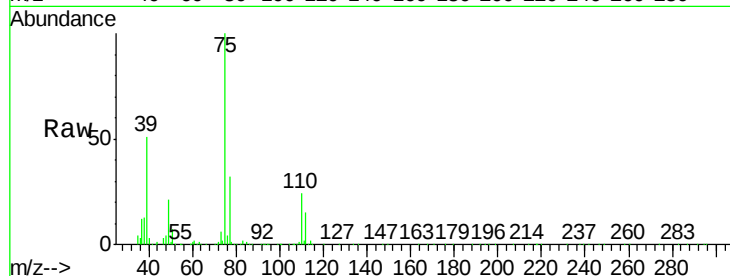
Tot Ion: 75 Resp: 807431

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

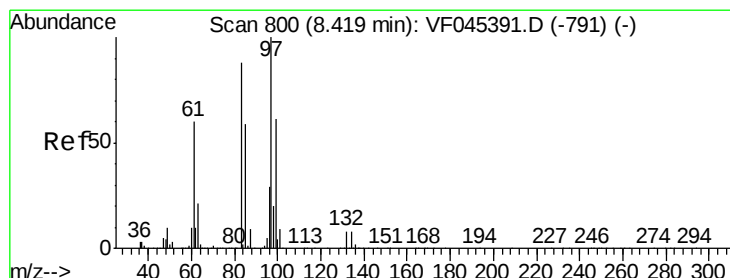
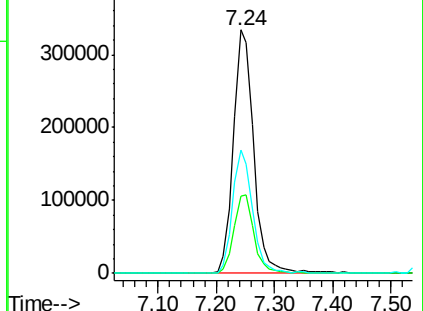
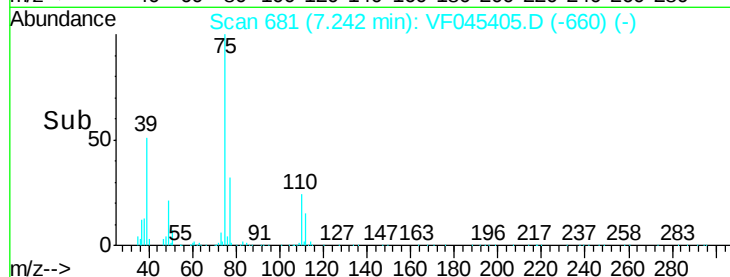
39 50.5 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#54

1,1,2-Trichloroethane

Concen: 47.27 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion: 97 Resp: 446579

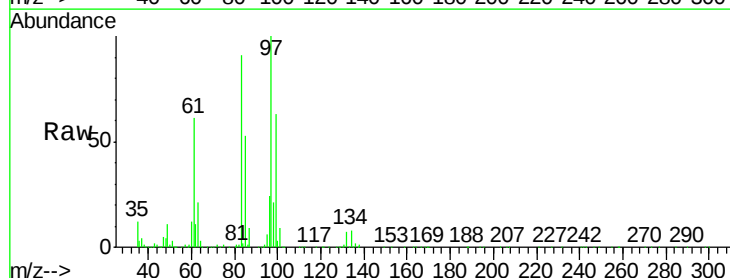
Ion Ratio Lower Upper

97 100

83 91.4 70.1 105.1

85 53.3 47.4 71.2

99 62.9 50.6 75.8

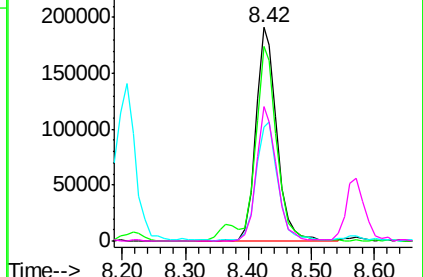
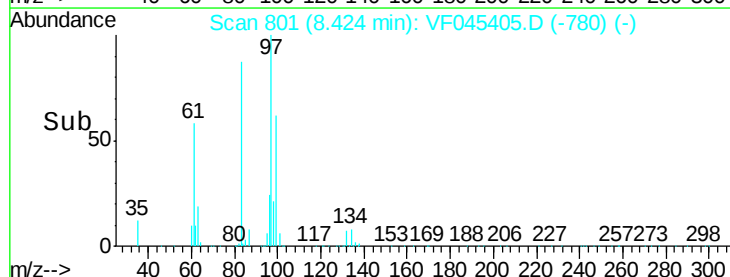


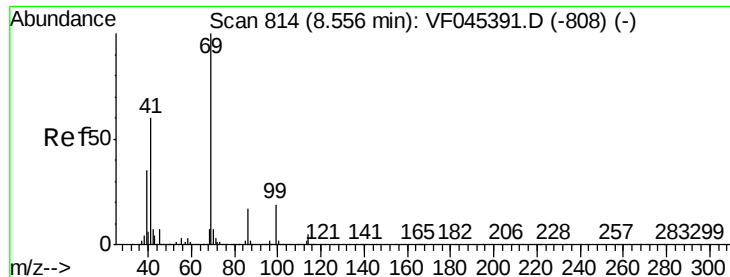
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#55

Ethyl methacrylate

Concen: 48.96 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

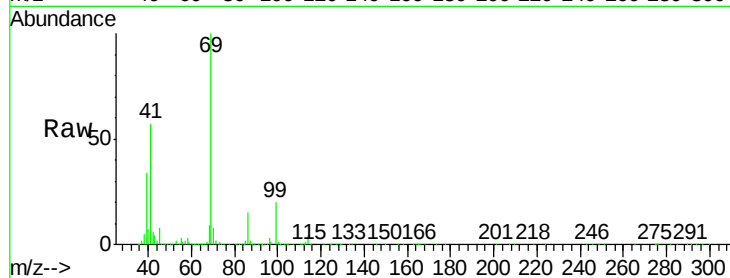
Tot Ion: 69 Resp: 601659

Ion Ratio Lower Upper

69 100

41 57.1 51.0 76.4

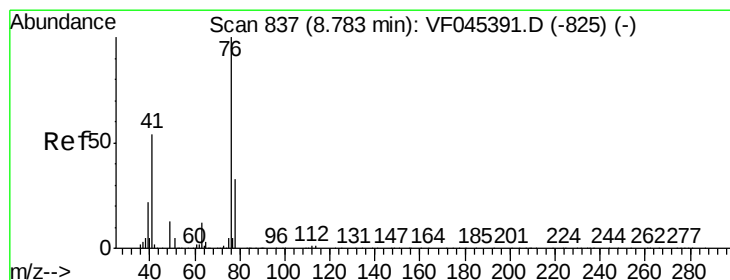
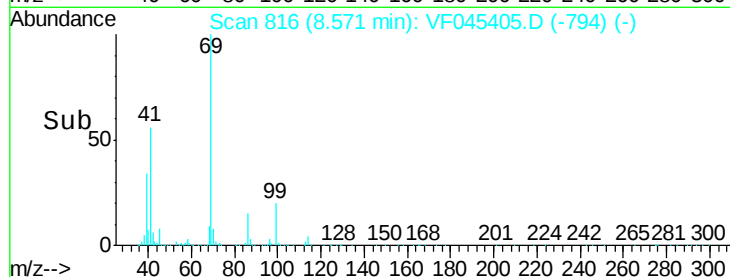
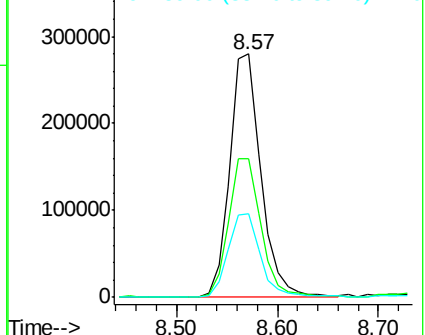
39 34.4 29.1 43.7



Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0



#56

1,3-Dichloropropane

Concen: 47.05 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.00 min

Lab File: VF045405.D

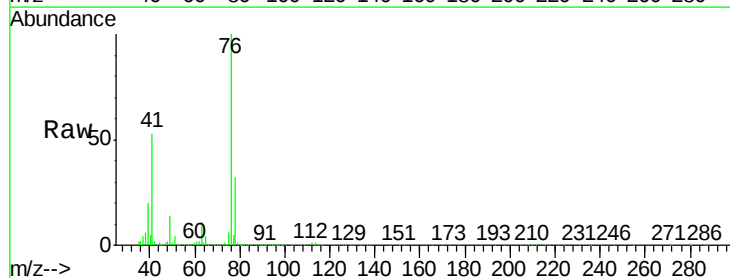
Acq: 17 Sep 2015 12:15

Tgt Ion: 76 Resp: 725046

Ion Ratio Lower Upper

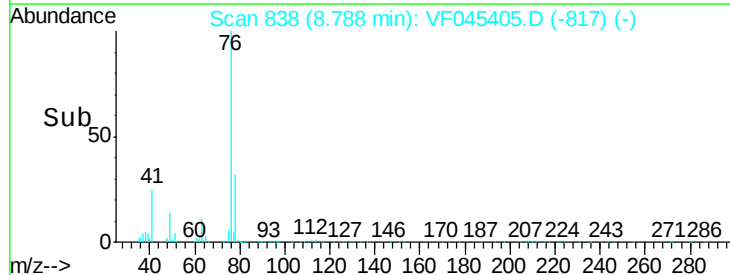
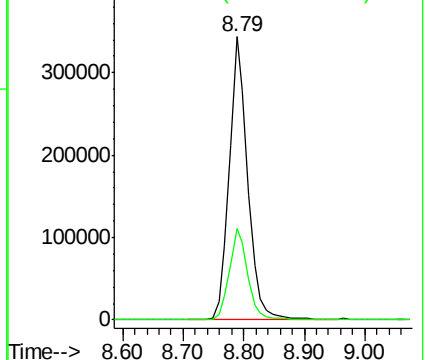
76 100

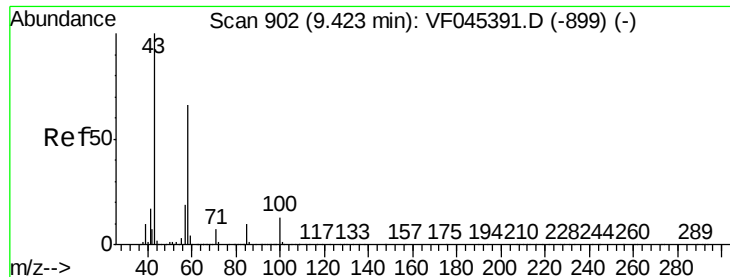
78 32.3 26.1 39.1



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

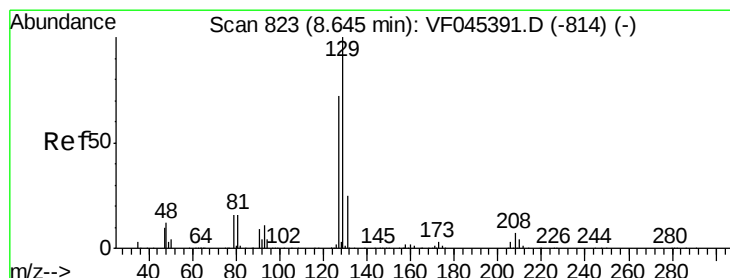
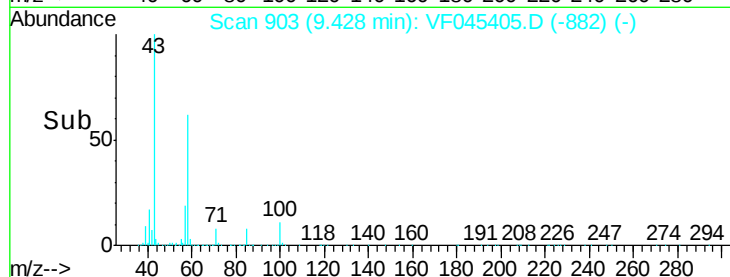
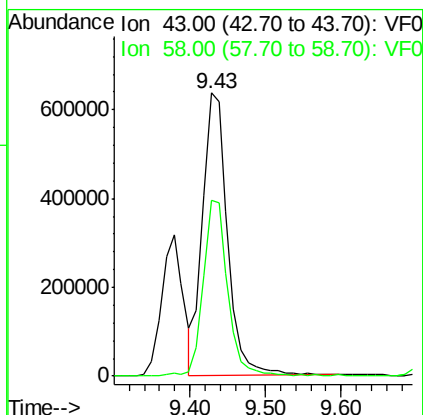
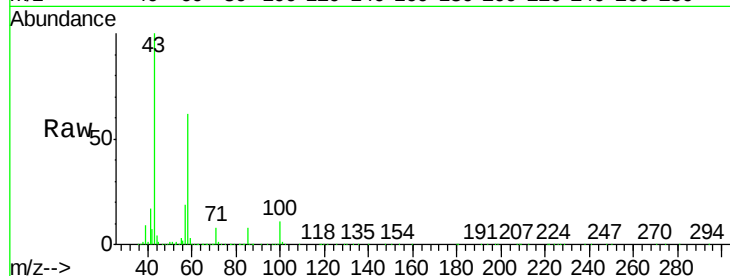




#58
2-Hexanone
Concen: 250.14 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

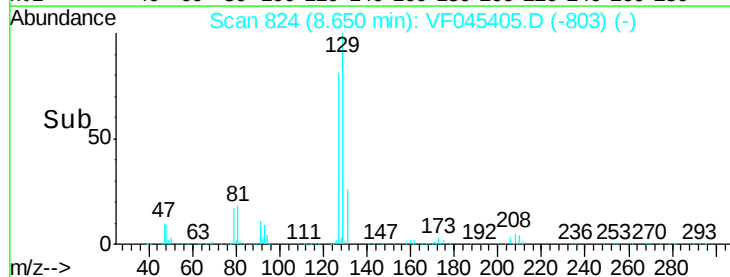
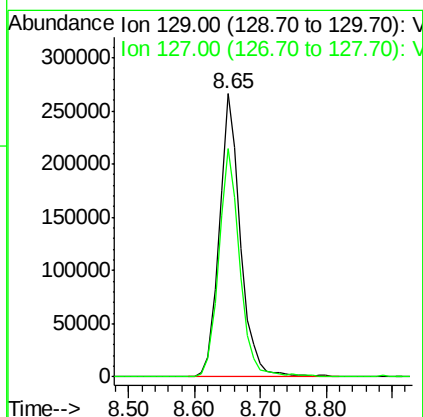
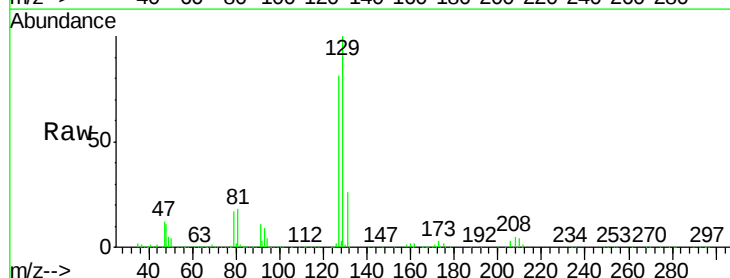
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

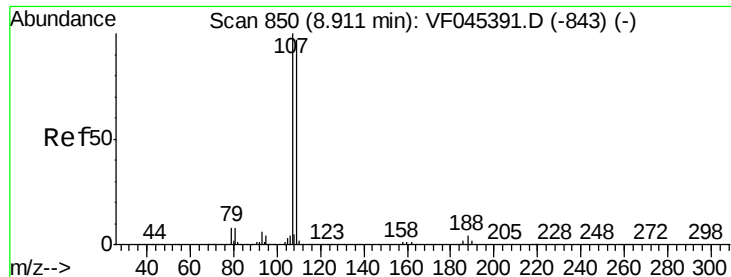
Tot Ion: 43 Resp: 1463375
Ion Ratio Lower Upper
43 100
58 62.3 28.8 86.5



#59
Dibromochloromethane
Concen: 44.38 ug/l
RT: 8.65 min Scan# 824
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 129 Resp: 594201
Ion Ratio Lower Upper
129 100
127 80.8 38.2 114.6





#60

1,2-Dibromoethane

Concen: 47.18 ug/l

RT: 8.93 min Scan# 852

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

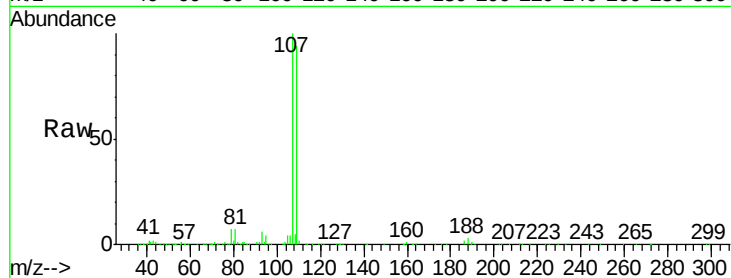
VSTDCCC050

Tot Ion:107 Resp: 505830

Ion Ratio Lower Upper

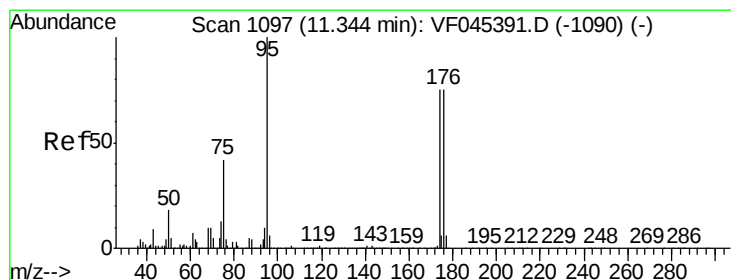
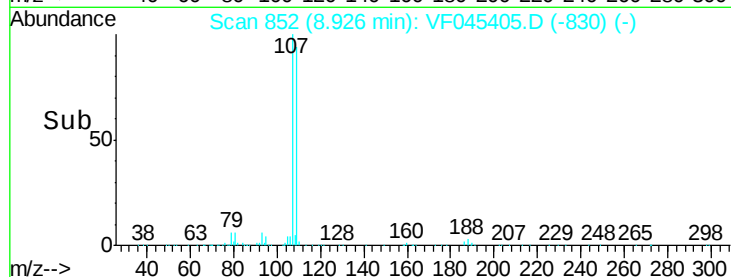
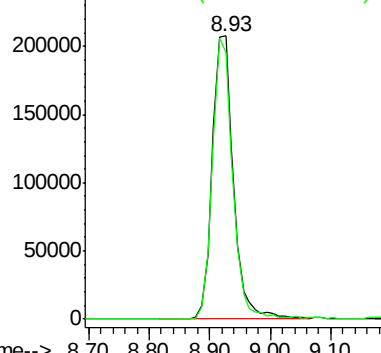
107 100

109 94.4 79.4 119.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#61

4-Bromofluorobenzene

Concen: 45.69 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

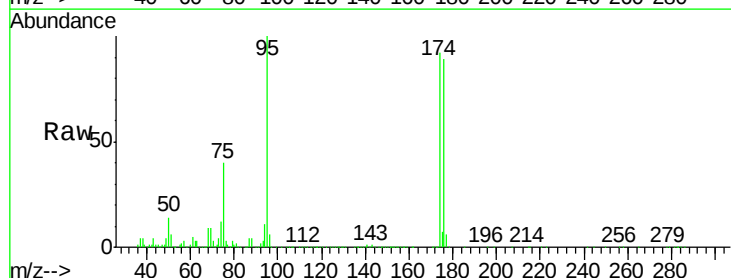
Tgt Ion: 95 Resp: 819203

Ion Ratio Lower Upper

95 100

174 91.6 0.0 177.8

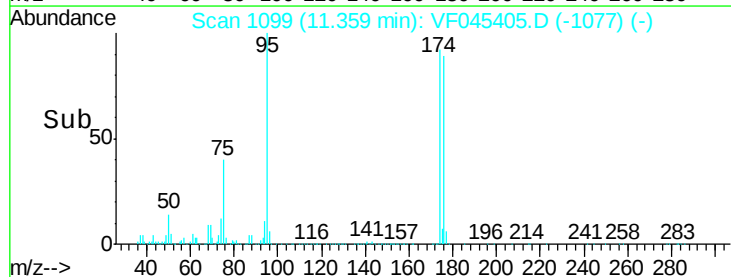
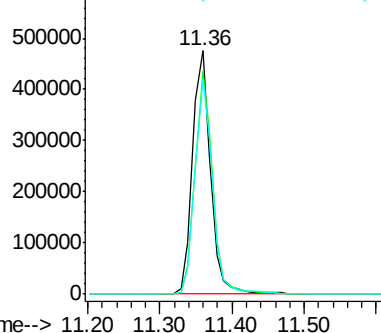
176 88.6 0.0 176.2

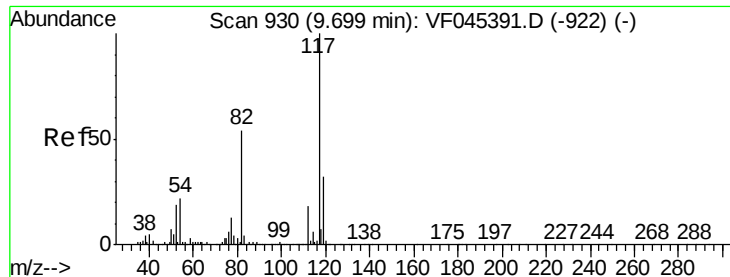


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

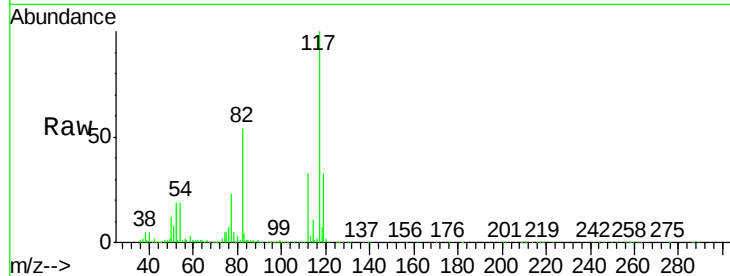
Tot Ion:117 Resp: 1563273

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.6

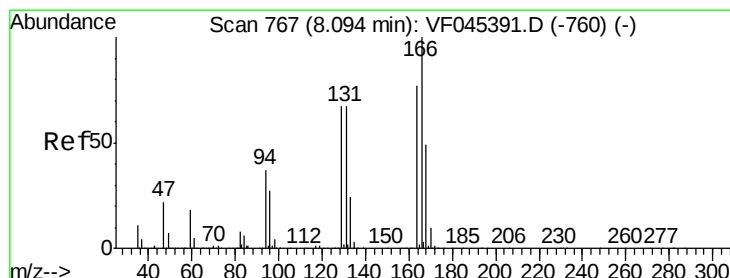
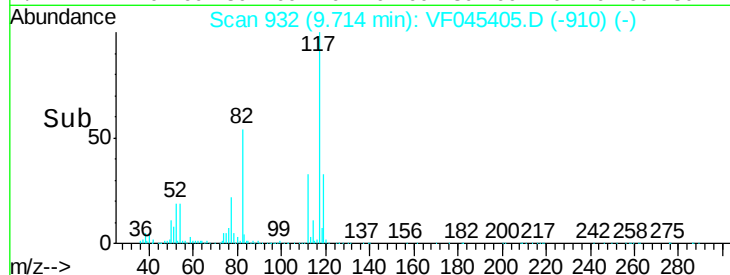
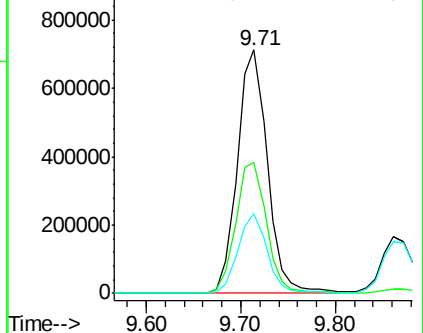
119 32.6 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#63

Tetrachloroethene

Concen: 44.16 ug/l

RT: 8.10 min Scan# 768

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion:164 Resp: 548485

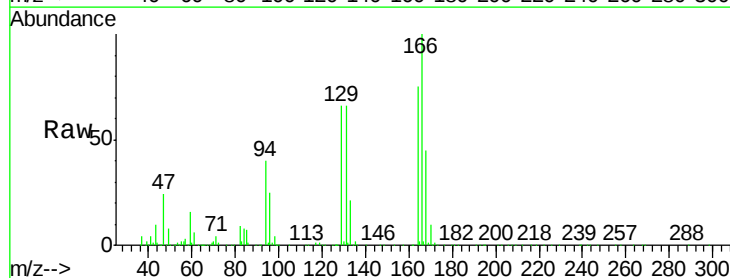
Ion Ratio Lower Upper

164 100

166 134.0 106.0 159.0

129 88.3 69.8 104.6

131 88.7 68.2 102.4

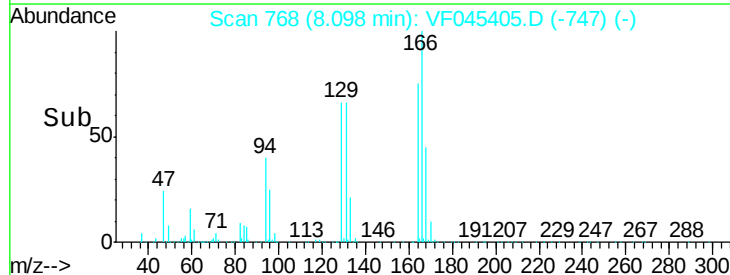
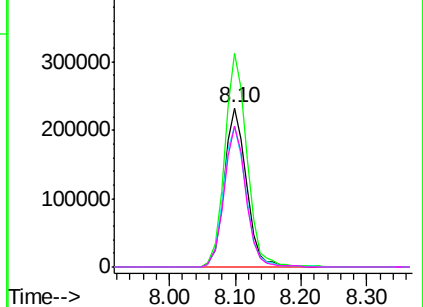


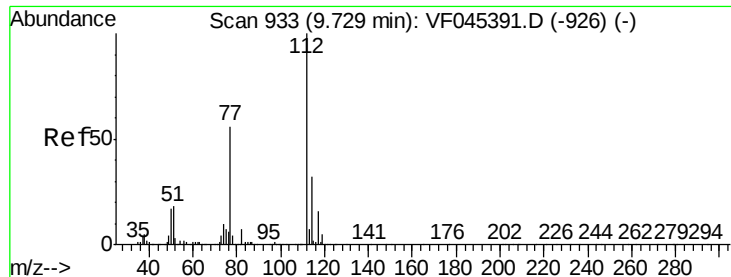
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

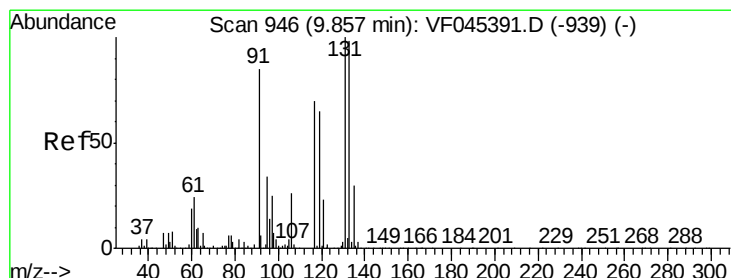
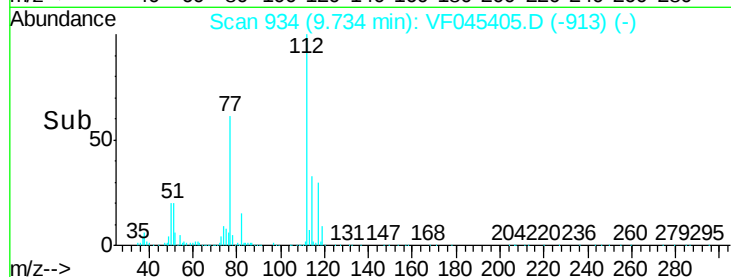
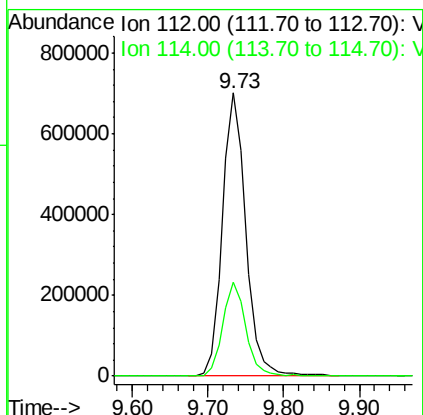
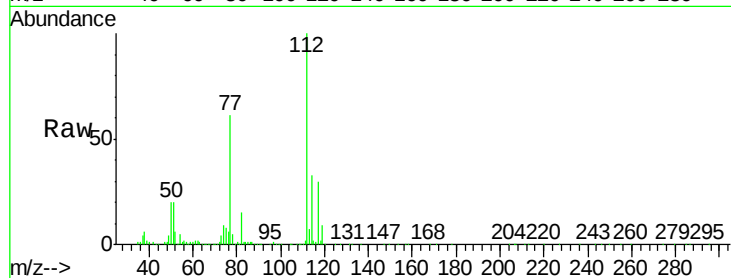




#64
Chlorobenzene
Concen: 45.95 ug/l
RT: 9.73 min Scan# 934
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

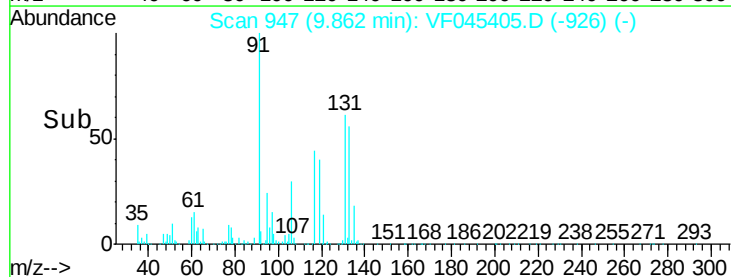
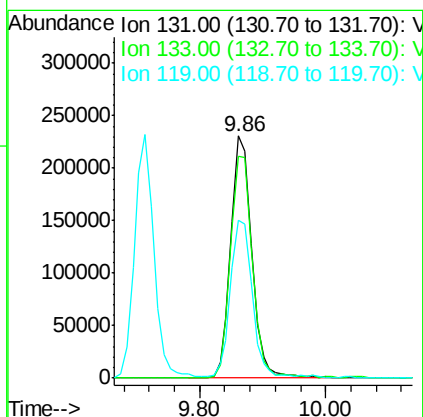
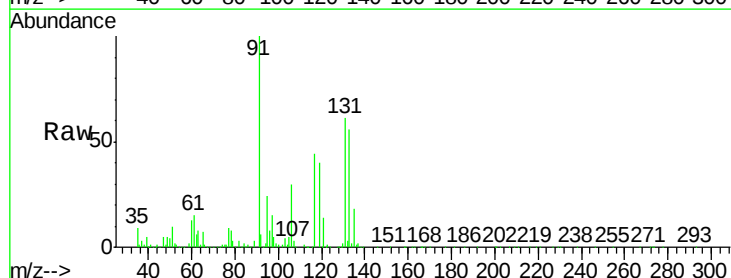
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

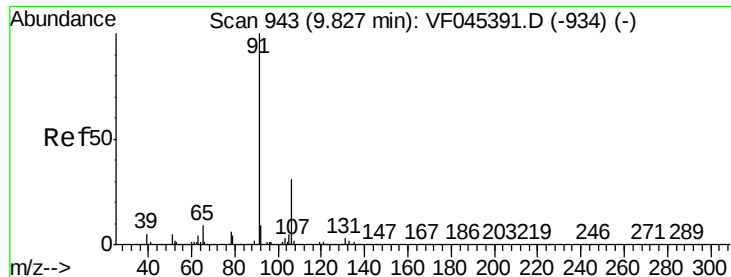
Tot Ion:112 Resp: 1506992
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 44.38 ug/l
RT: 9.86 min Scan# 947
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion:131 Resp: 532089
Ion Ratio Lower Upper
131 100
133 91.4 48.1 144.4
119 65.1 34.8 104.5





#66

Ethyl Benzene

Concen: 44.01 ug/l

RT: 9.84 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

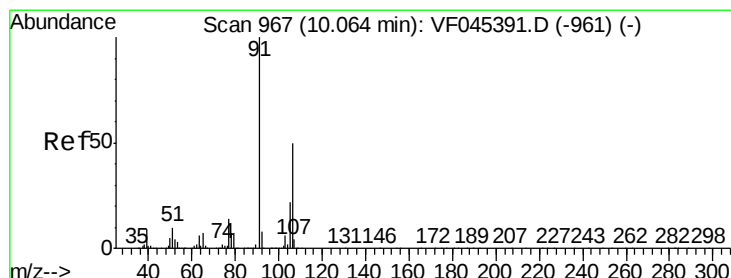
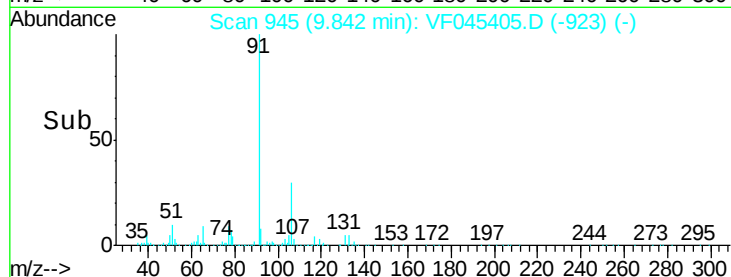
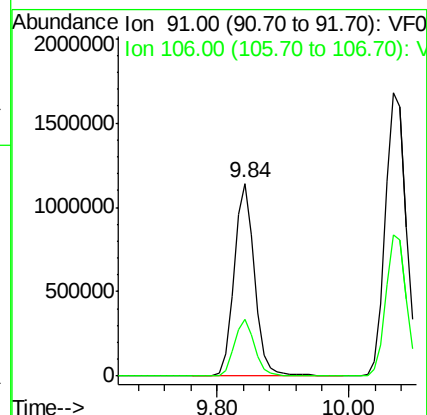
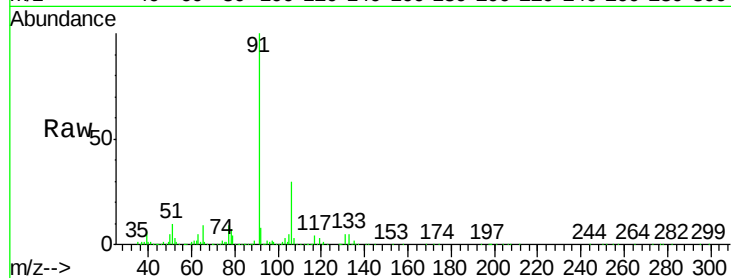
VSTDCCC050

Tot Ion: 91 Resp: 2500734

Ion Ratio Lower Upper

91 100

106 29.7 23.6 35.4



#67

m/p-Xylenes

Concen: 91.77 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF045405.D

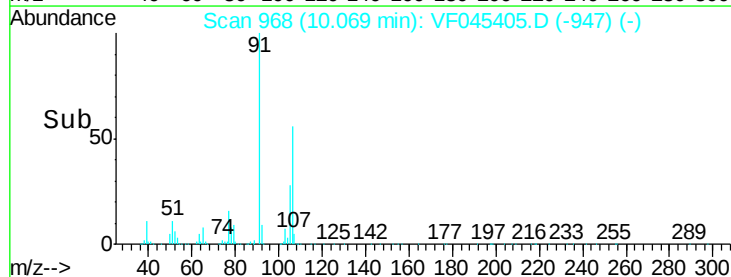
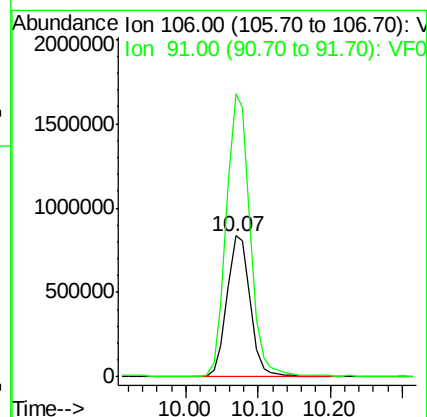
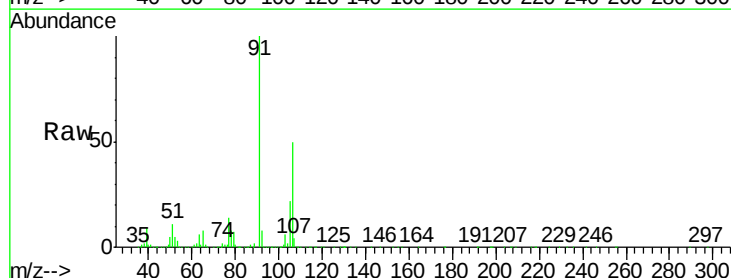
Acq: 17 Sep 2015 12:15

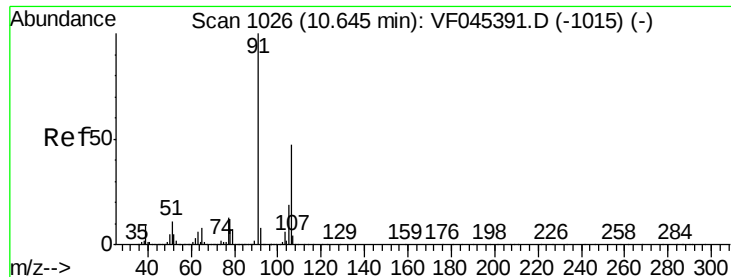
Tgt Ion: 106 Resp: 1869277

Ion Ratio Lower Upper

106 100

91 200.8 166.1 249.1

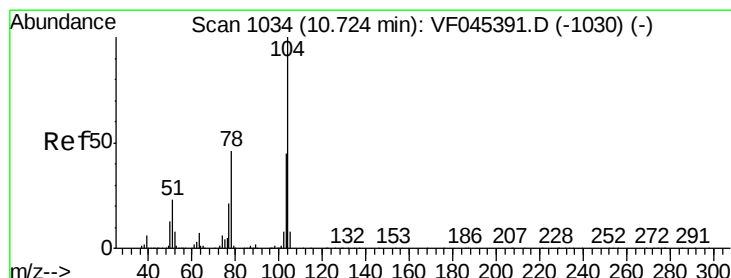
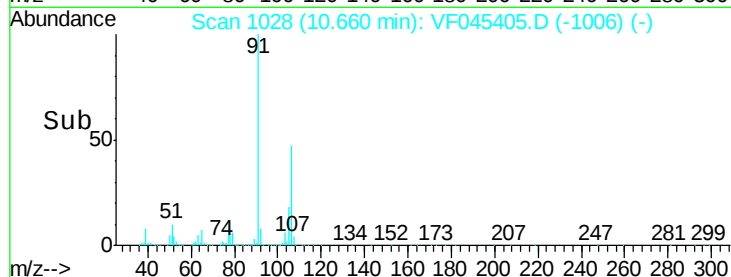
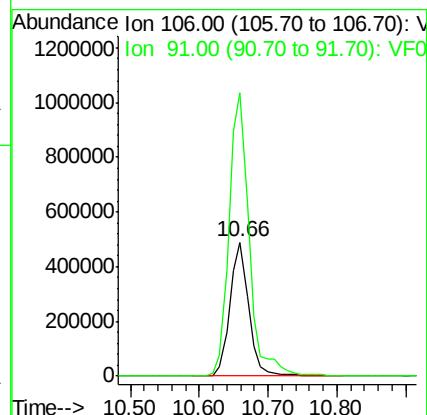
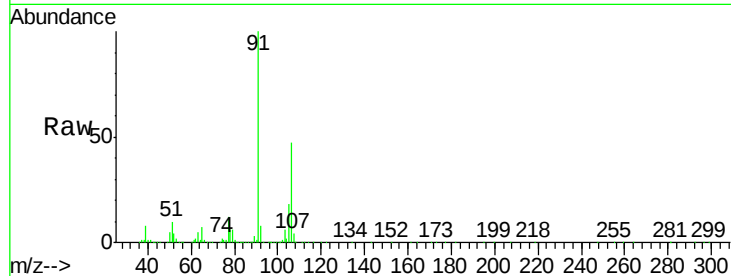




#68
o-Xylene
Concen: 43.85 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

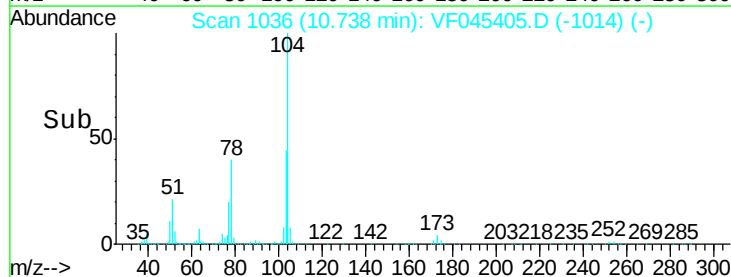
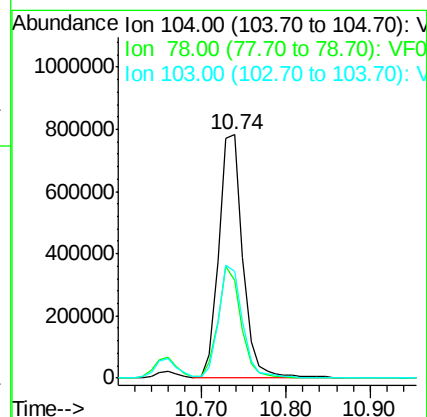
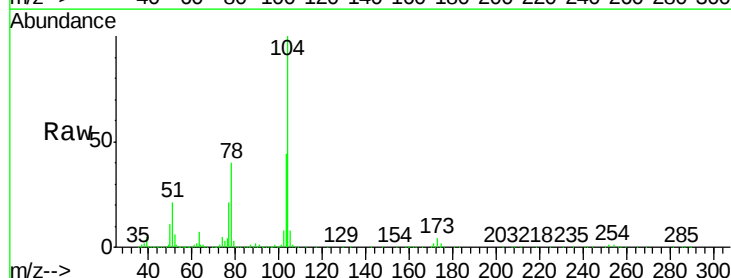
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

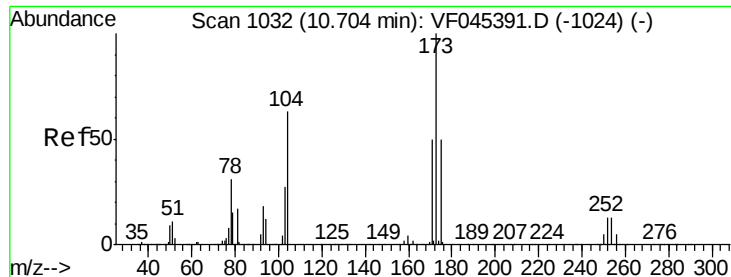
Tot Ion:106 Resp: 927239
Ion Ratio Lower Upper
106 100
91 211.4 108.1 324.2



#69
Styrene
Concen: 46.03 ug/l
RT: 10.74 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion:104 Resp: 1553355
Ion Ratio Lower Upper
104 100
78 40.0 34.2 51.4
103 43.9 36.7 55.1

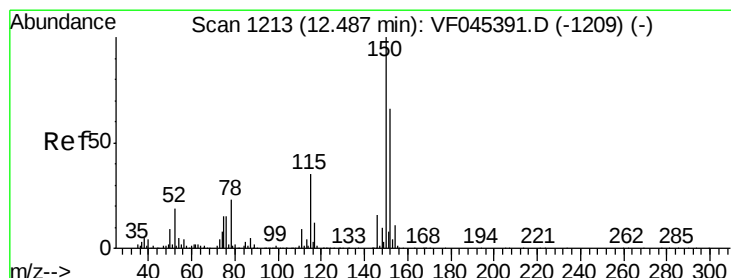
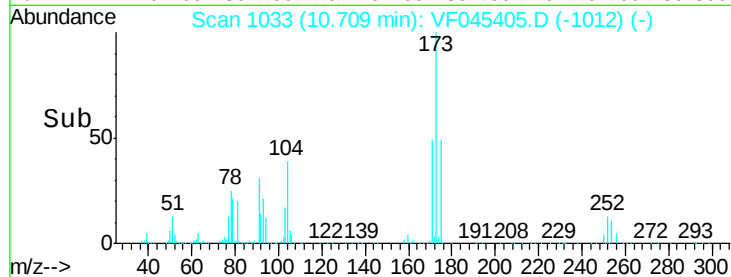
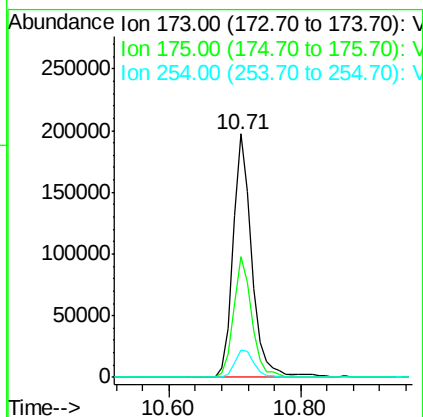
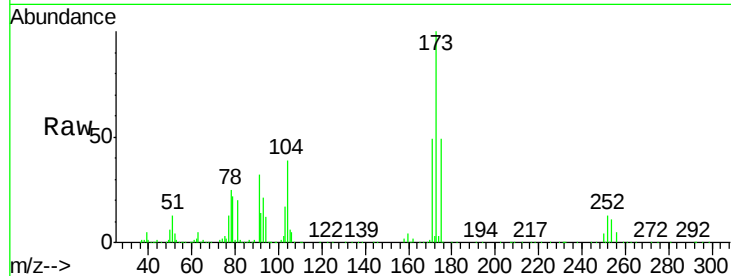




#70
Bromoform
Concen: 44.46 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

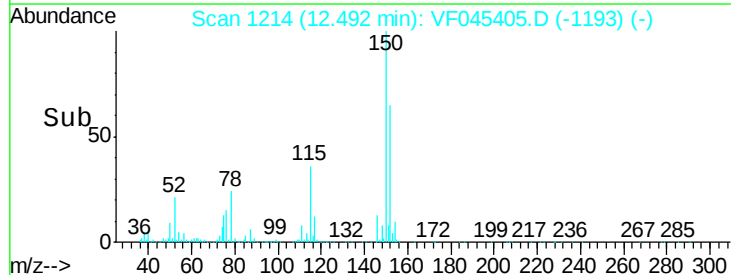
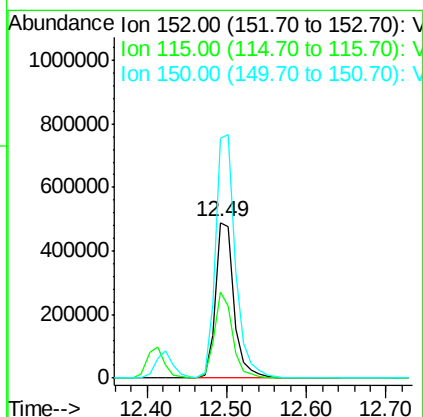
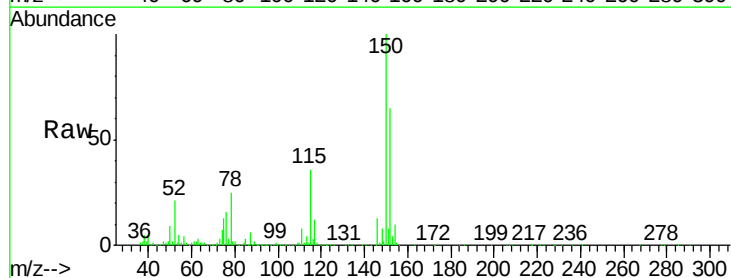
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

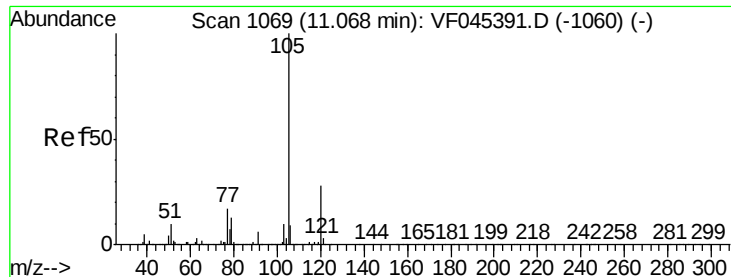
Tot Ion:173 Resp: 395542
Ion Ratio Lower Upper
173 100
175 49.3 25.7 77.0
254 11.1 9.8 14.6



#71
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion:152 Resp: 807490
Ion Ratio Lower Upper
152 100
115 55.6 28.3 85.0
150 153.6 0.0 324.2





#72

Isopropylbenzene

Concen: 50.15 ug/l

RT: 11.07 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

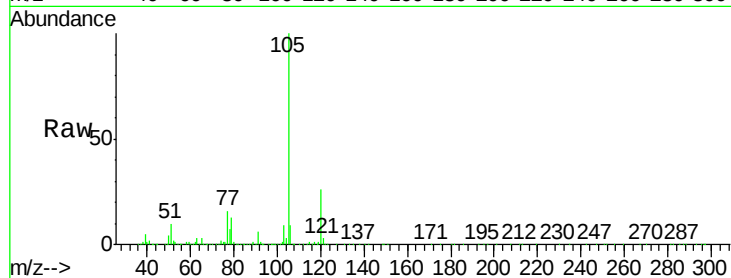
VSTDCCC050

Tot Ion:105 Resp: 2713132

Ion Ratio Lower Upper

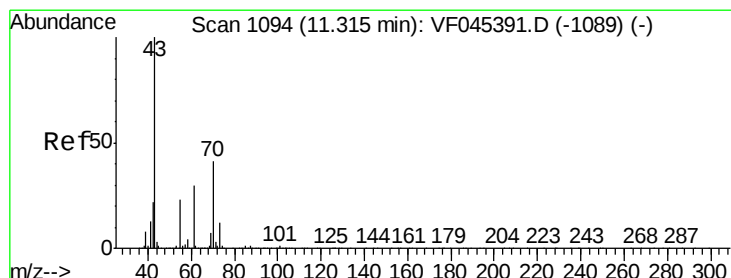
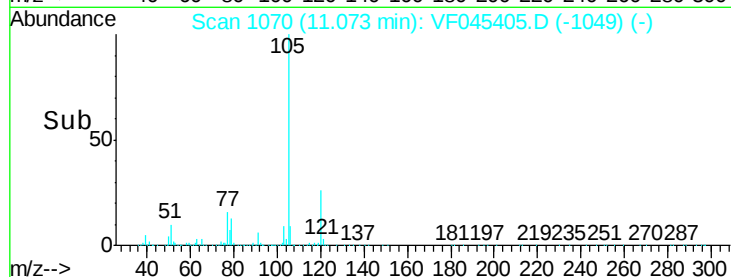
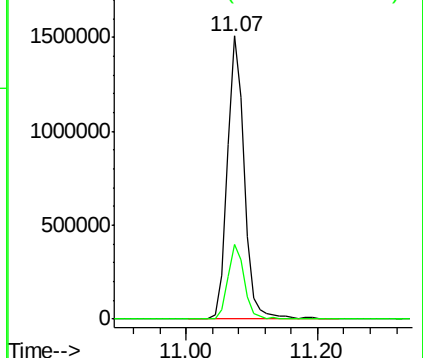
105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#73

N-ethyl acetate

Concen: 48.50 ug/l

RT: 11.33 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion: 43 Resp: 727374

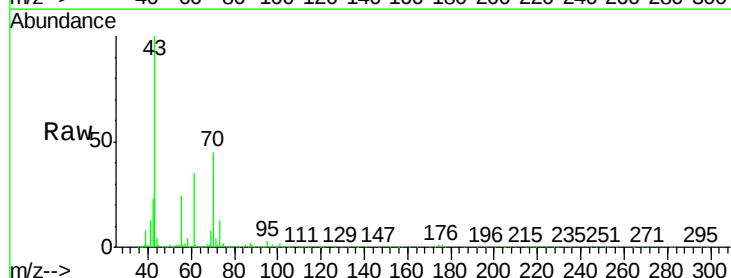
Ion Ratio Lower Upper

43 100

70 44.8 30.0 45.0

55 24.2 16.8 25.2

61 34.6 20.6 30.8#

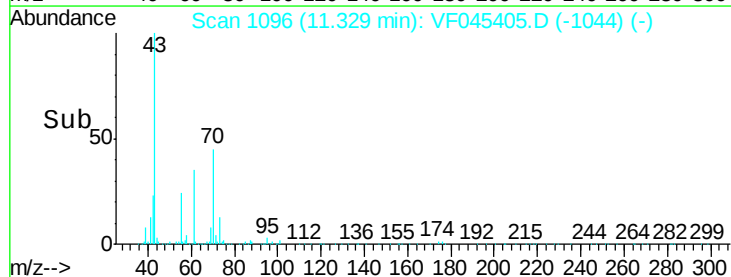
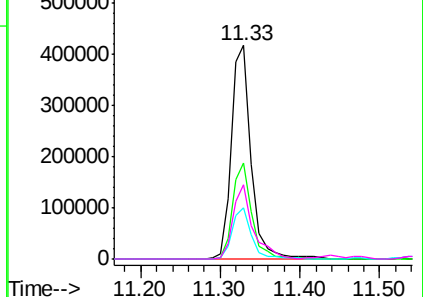


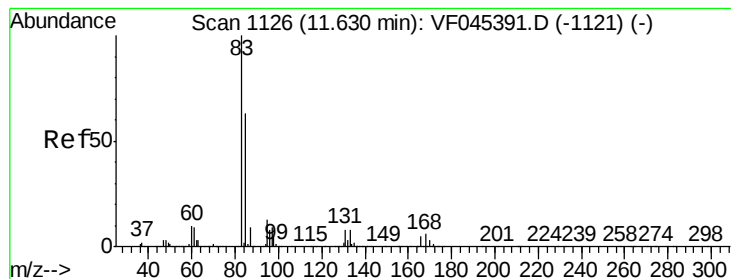
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#74

1,1,2,2-Tetrachloroethane

Concen: 47.58 ug/l

RT: 11.64 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

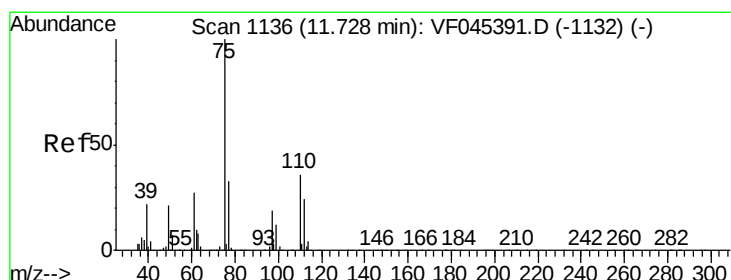
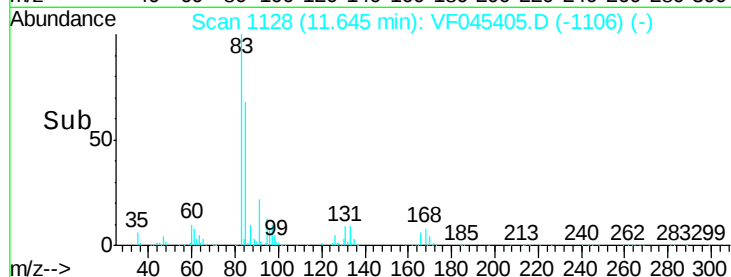
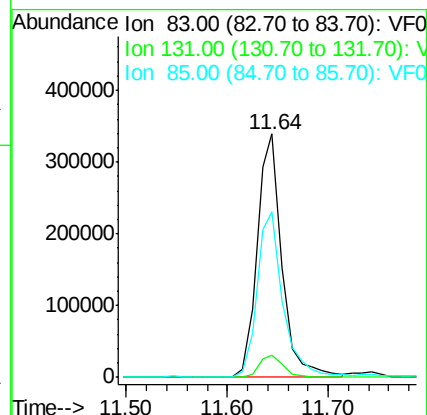
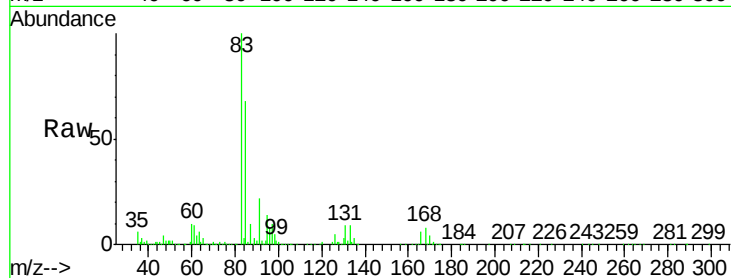
Tot Ion: 83 Resp: 583430

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.6

85 67.8 32.5 97.5



#75

1,2,3-Trichloropropane

Concen: 48.14 ug/l

RT: 11.74 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VF045405.D

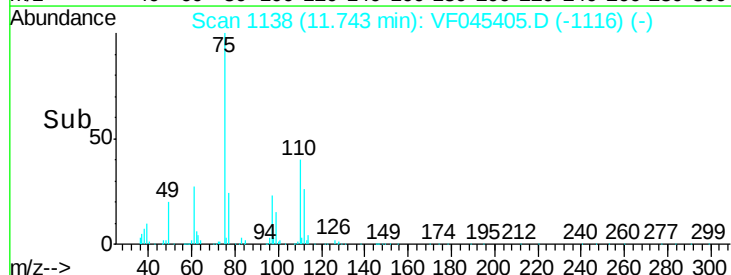
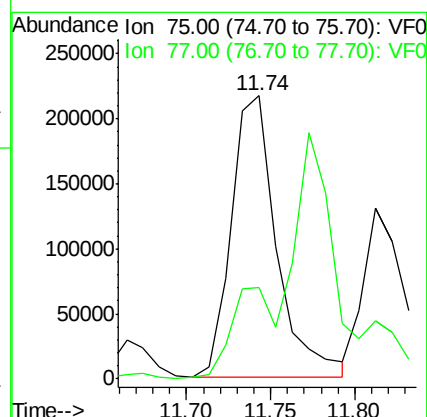
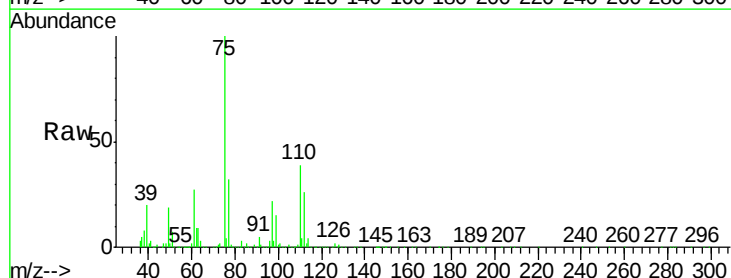
Acq: 17 Sep 2015 12:15

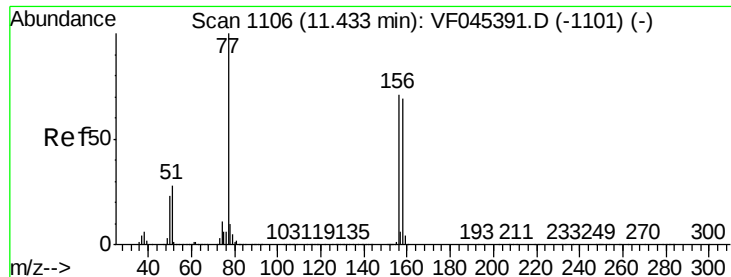
Tgt Ion: 75 Resp: 405950

Ion Ratio Lower Upper

75 100

77 32.4 15.0 45.1

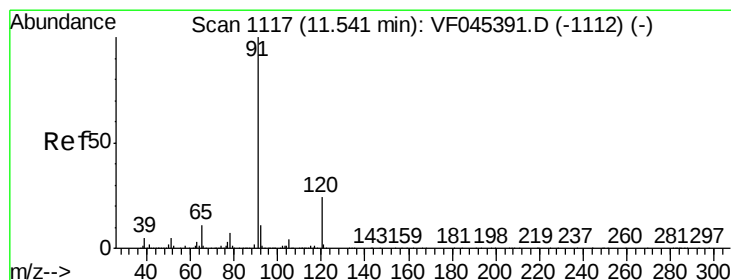
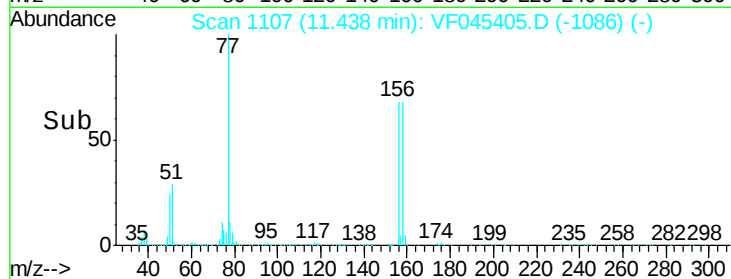
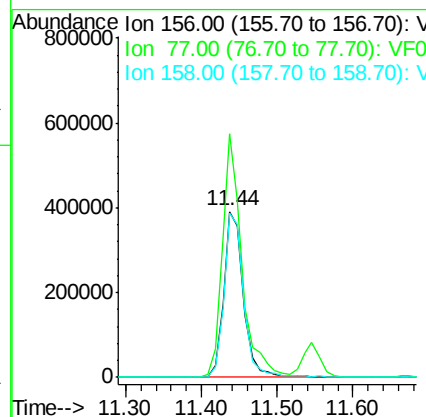
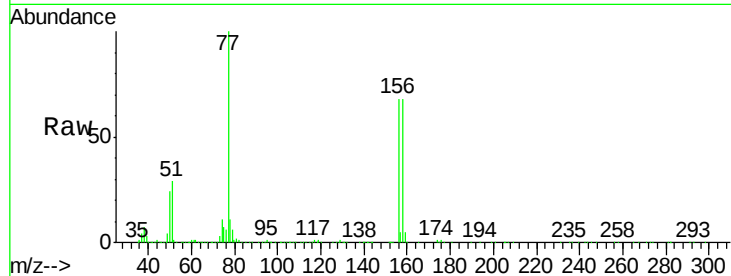




#76
Bromobenzene
Concen: 46.03 ug/l
RT: 11.44 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

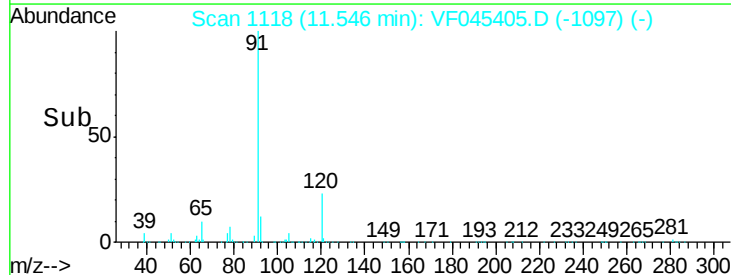
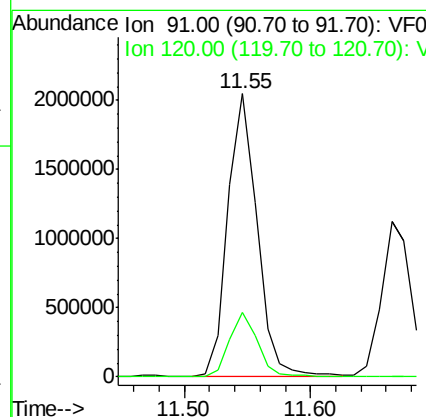
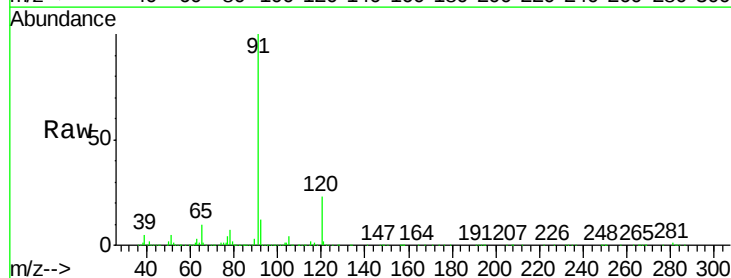
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

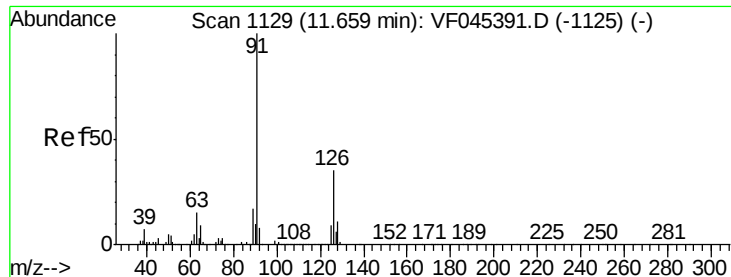
Tot Ion:156 Resp: 706276
Ion Ratio Lower Upper
156 100
77 147.1 74.8 224.3
158 99.5 49.5 148.7



#77
n-propylbenzene
Concen: 49.28 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 91 Resp: 3309417
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.7





#78

2-Chlorotoluene

Concen: 48.98 ug/l

RT: 11.66 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

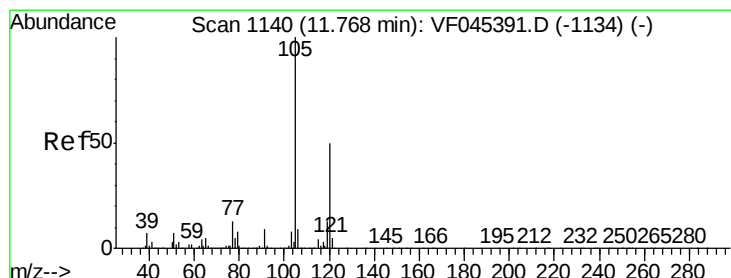
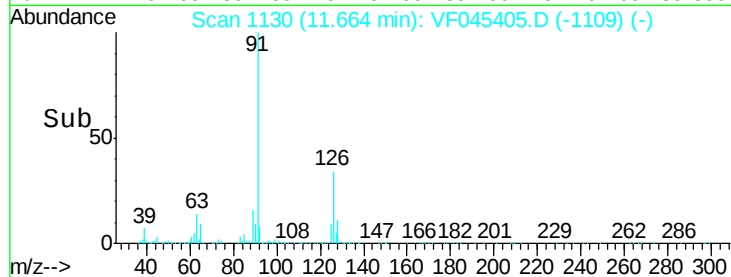
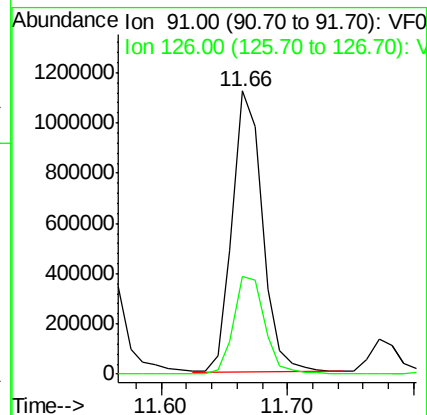
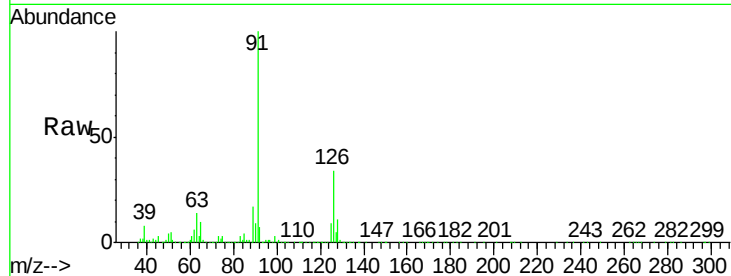
VSTDCCC050

Tot Ion: 91 Resp: 1840202

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.7



#79

1,3,5-Trimethylbenzene

Concen: 48.67 ug/l

RT: 11.77 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF045405.D

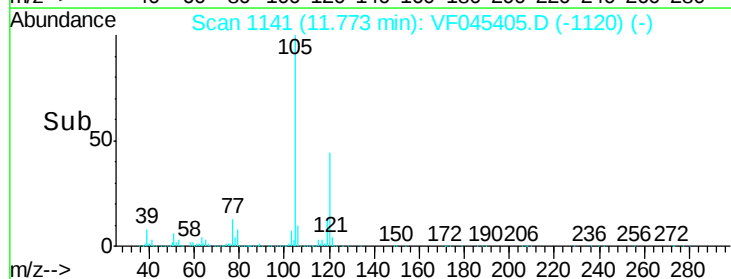
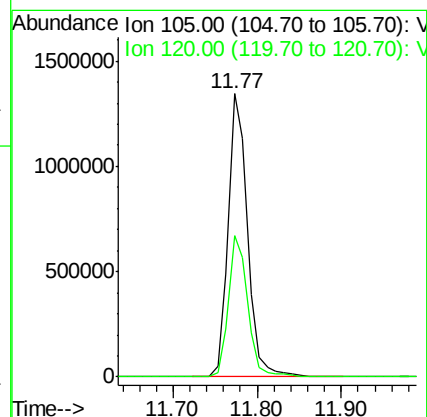
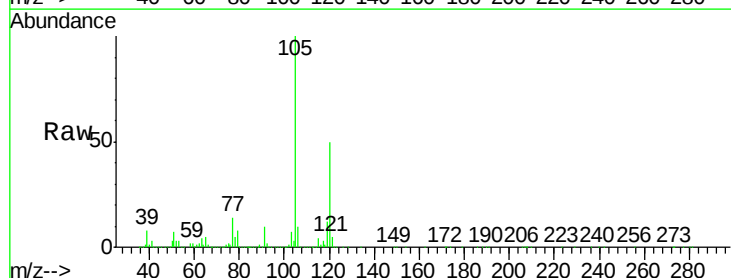
Acq: 17 Sep 2015 12:15

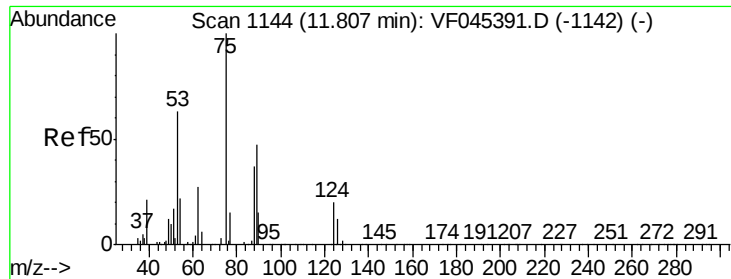
Tgt Ion: 105 Resp: 2145721

Ion Ratio Lower Upper

105 100

120 49.8 25.2 75.6





#80

trans-1,4-Dichloro-2-butene

Concen: 60.02 ug/l

RT: 11.81 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

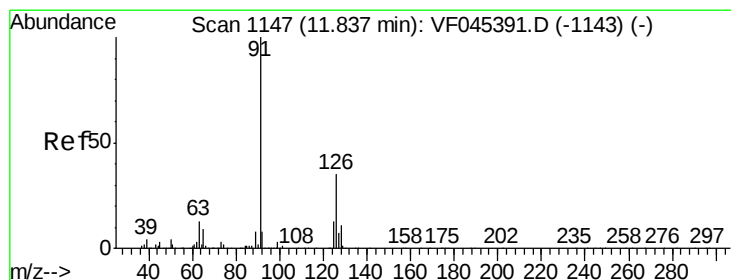
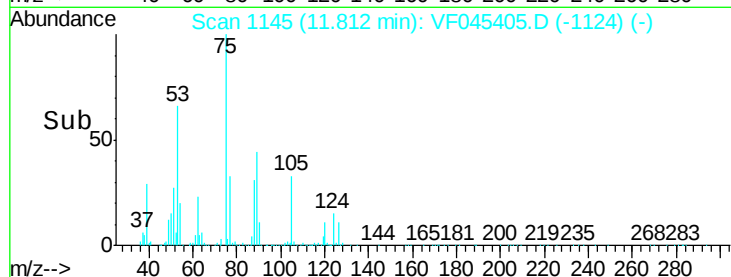
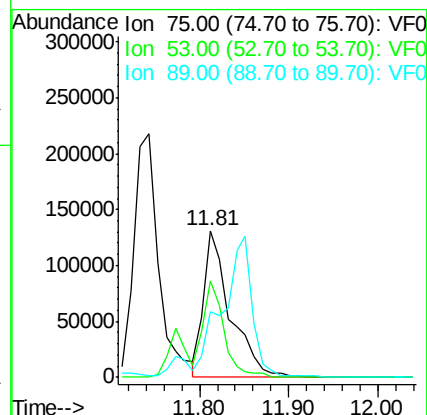
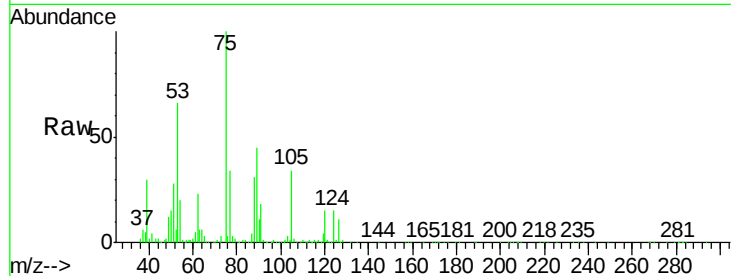
Tot Ion: 75 Resp: 271076

Ion Ratio Lower Upper

75 100

53 65.6 51.0 76.6

89 44.7 38.6 57.8



#81

4-Chlorotoluene

Concen: 47.08 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. 0.01 min

Lab File: VF045405.D

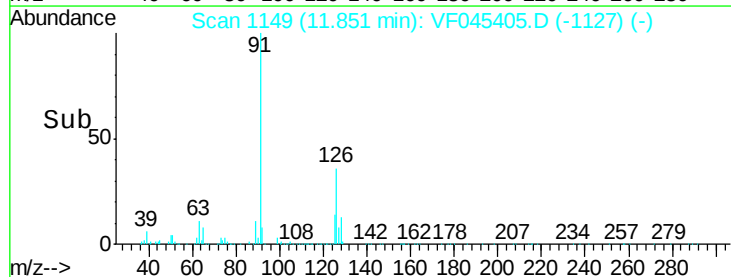
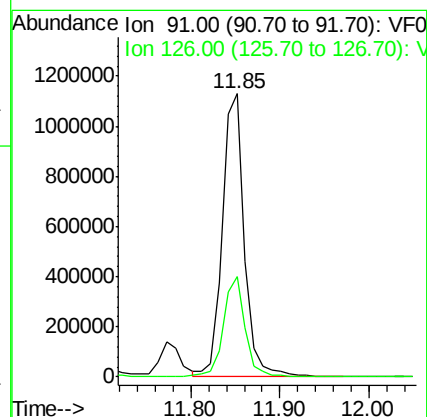
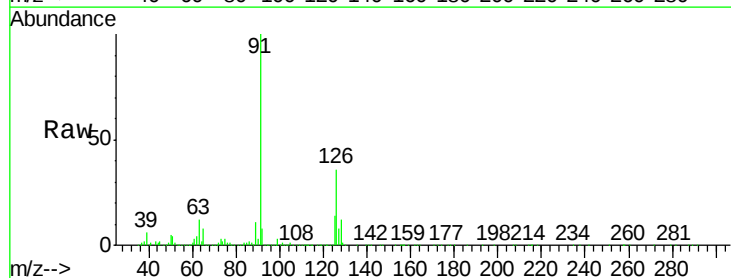
Acq: 17 Sep 2015 12:15

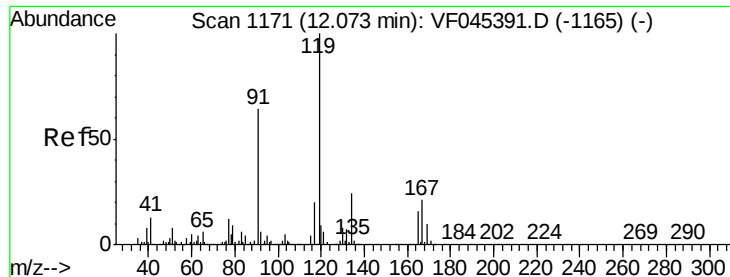
Tgt Ion: 91 Resp: 1954851

Ion Ratio Lower Upper

91 100

126 35.5 15.8 47.4

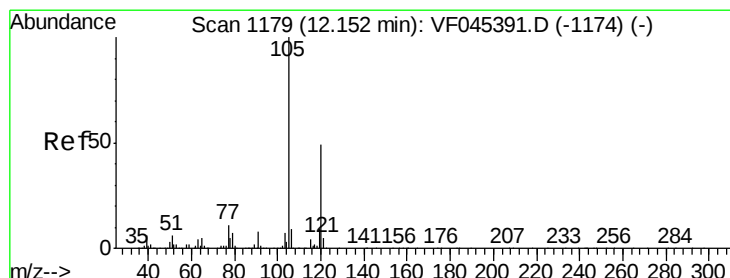
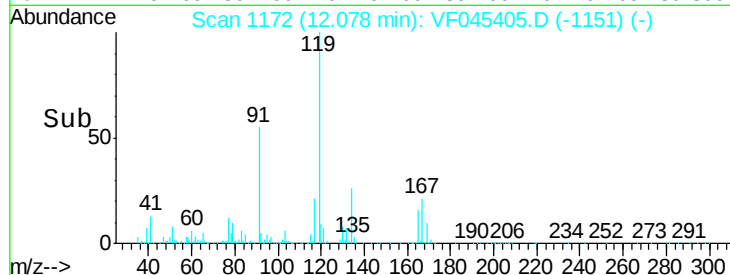
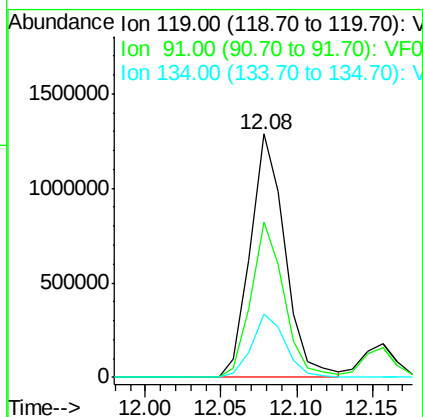
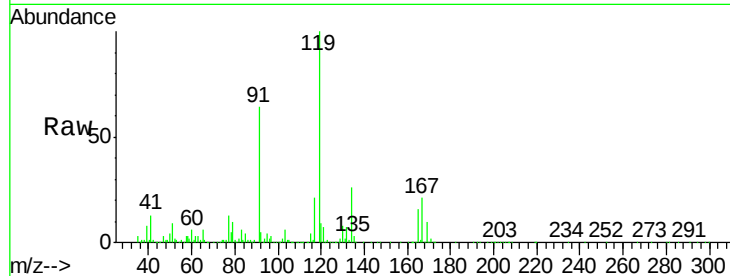




#82
tert-Butylbenzene
Concen: 47.25 ug/l
RT: 12.08 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

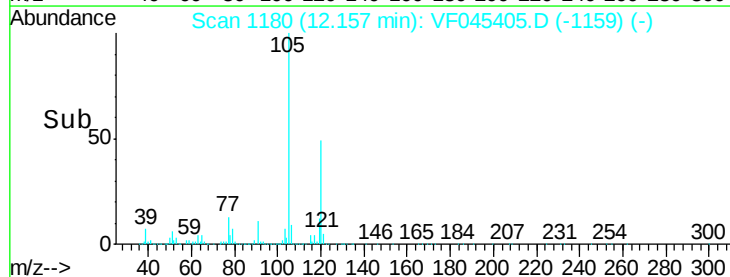
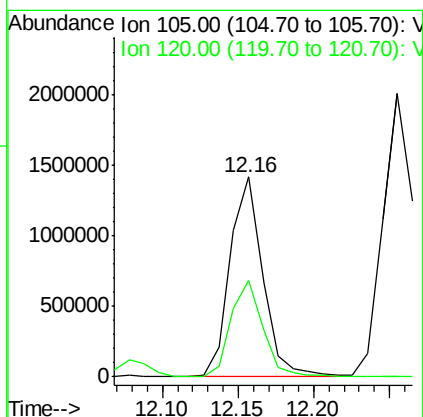
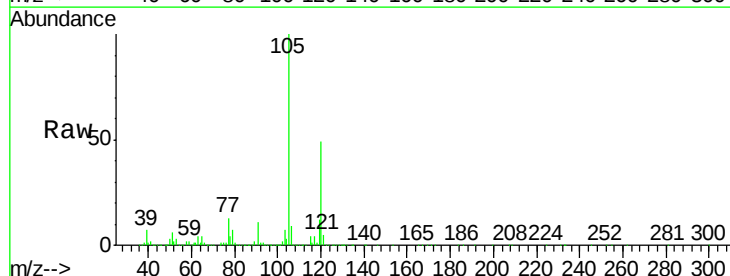
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

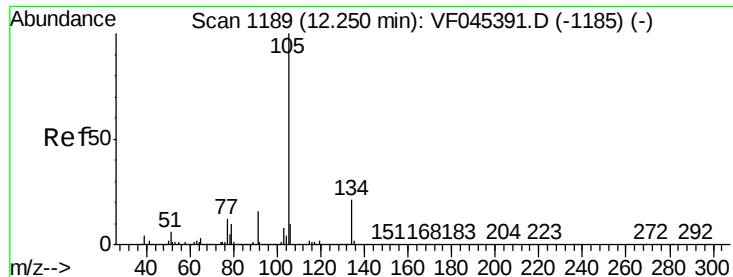
Tot Ion:119 Resp: 2060327
Ion Ratio Lower Upper
119 100
91 63.6 31.1 93.2
134 25.8 12.2 36.6



#83
1,2,4-Trimethylbenzene
Concen: 47.34 ug/l
RT: 12.16 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion:105 Resp: 2140245
Ion Ratio Lower Upper
105 100
120 48.6 22.9 68.7

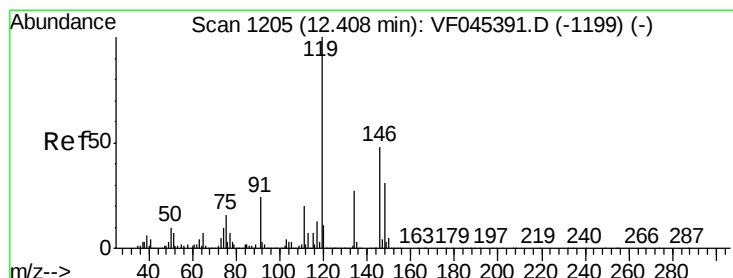
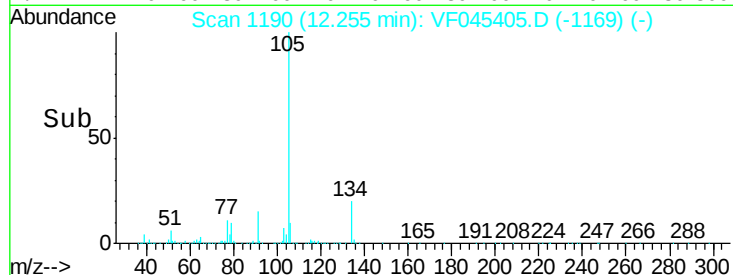
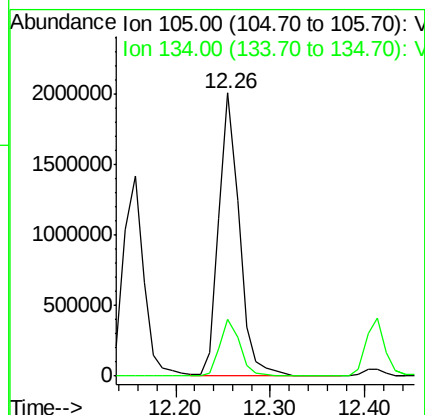
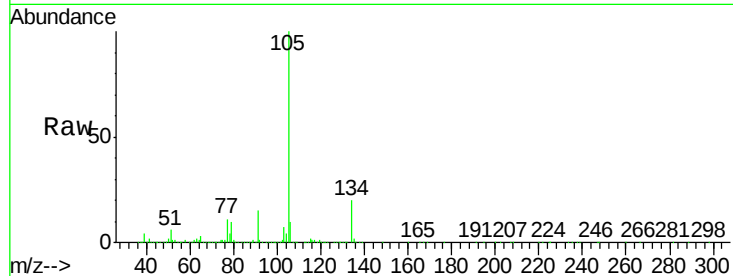




#84
 sec-Butylbenzene
 Concen: 49.86 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

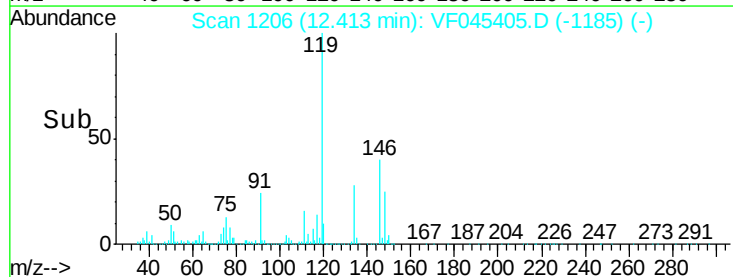
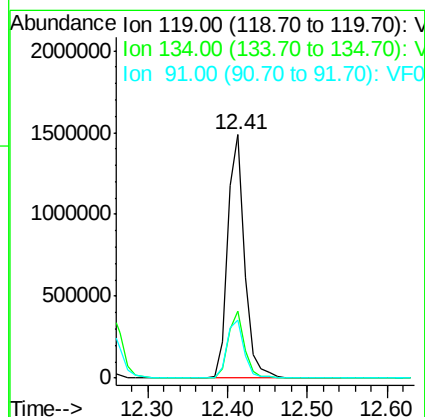
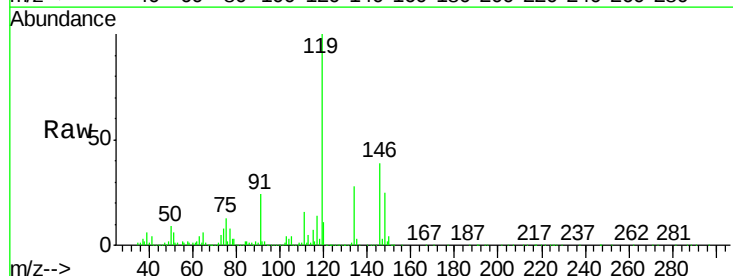
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

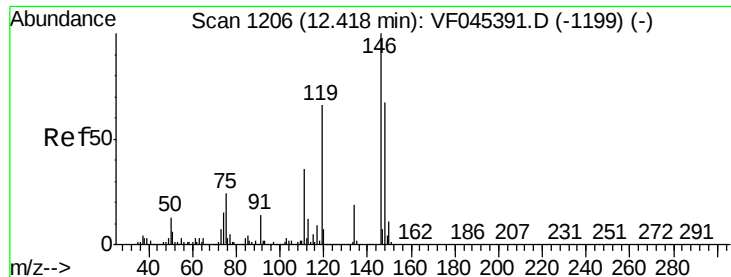
Tot Ion:105 Resp: 3022184
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.5 31.6



#85
 p-Isopropyltoluene
 Concen: 47.27 ug/l
 RT: 12.41 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion:119 Resp: 2230545
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.0 38.9
 91 23.6 12.2 36.6

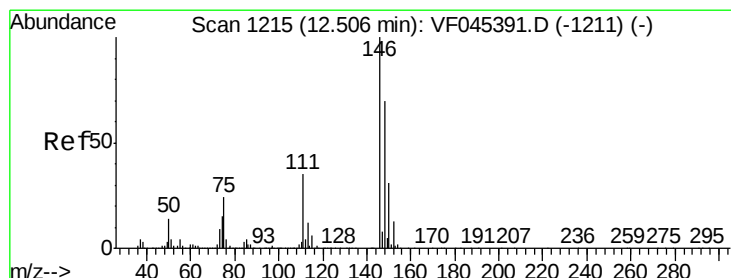
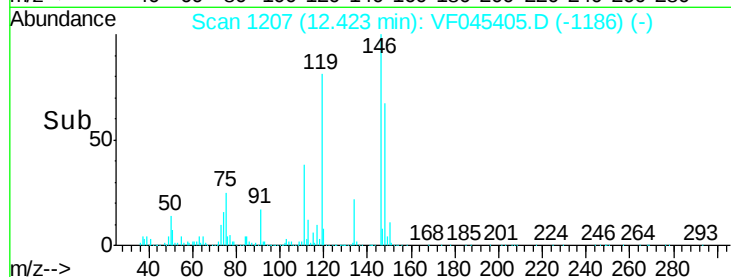
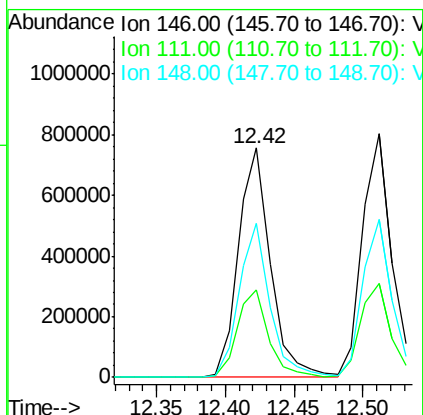
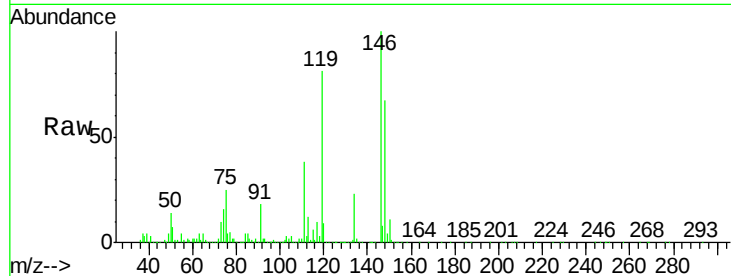




#86
 1,3-Dichlorobenzene
 Concen: 47.18 ug/l
 RT: 12.42 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

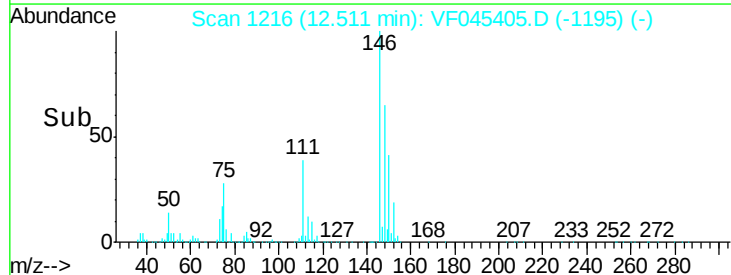
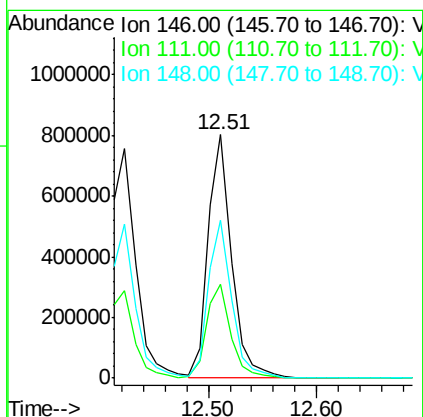
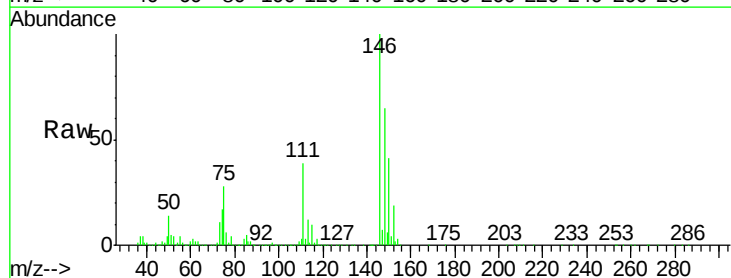
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

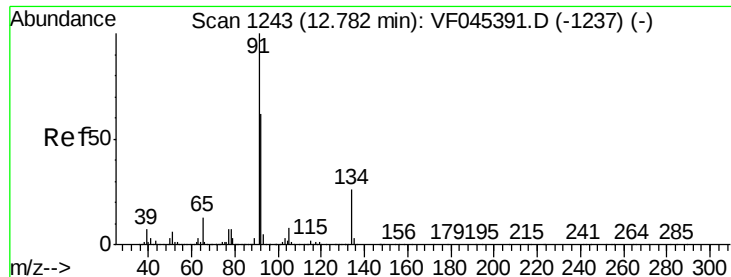
Tot Ion:146 Resp: 1230616
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.9 59.7
 148 67.2 32.5 97.4



#87
 1,4-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 12.51 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion:146 Resp: 1213079
 Ion Ratio Lower Upper
 146 100
 111 38.6 17.3 52.0
 148 65.1 32.4 97.0

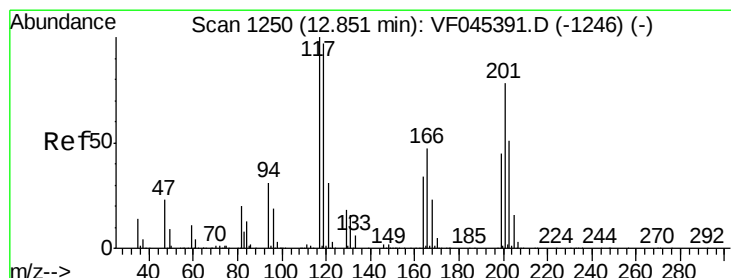
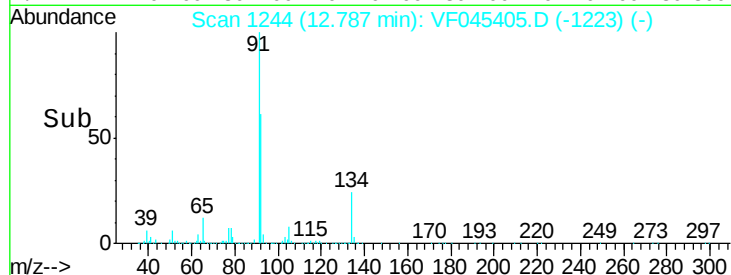
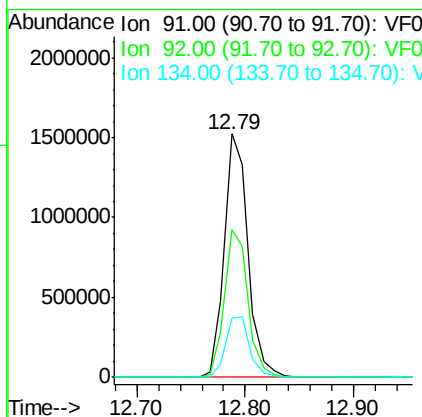
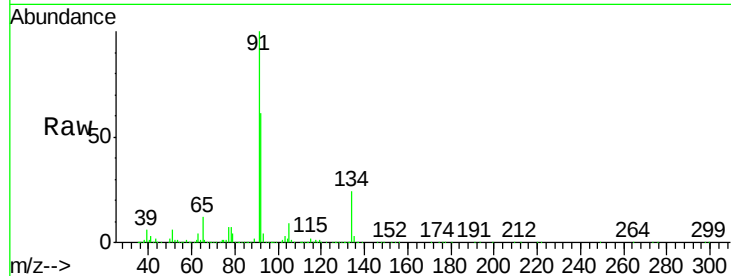




#88
n-Butylbenzene
Concen: 48.86 ug/l
RT: 12.79 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

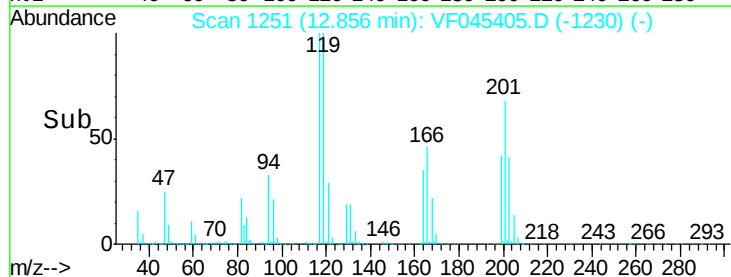
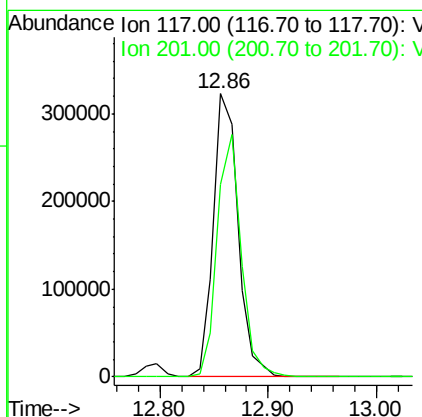
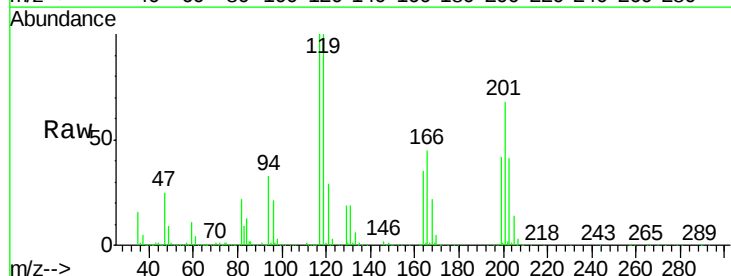
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

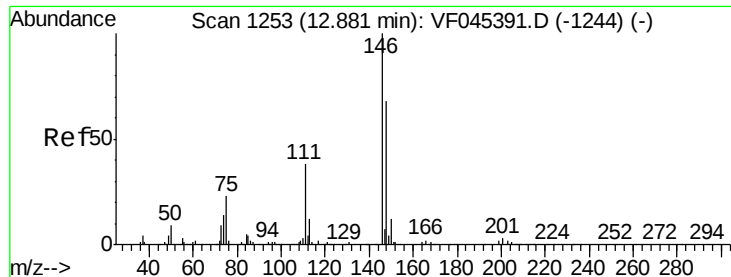
Tot Ion: 91 Resp: 2318153
Ion Ratio Lower Upper
91 100
92 60.9 30.1 90.5
134 24.4 13.8 41.4



#89
Hexachloroethane
Concen: 46.10 ug/l
RT: 12.86 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion: 117 Resp: 515035
Ion Ratio Lower Upper
117 100
201 67.9 42.0 126.1

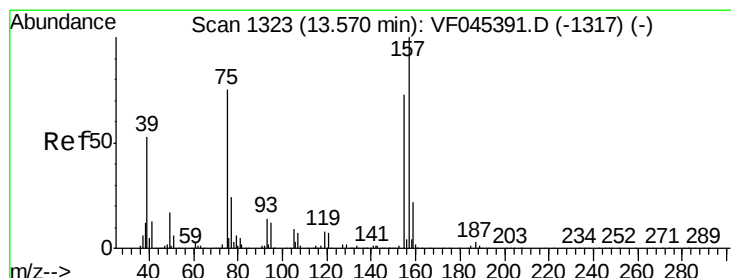
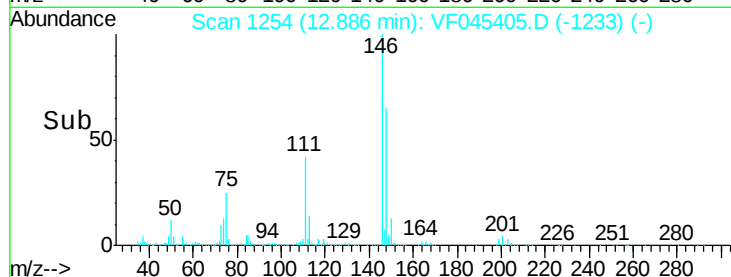
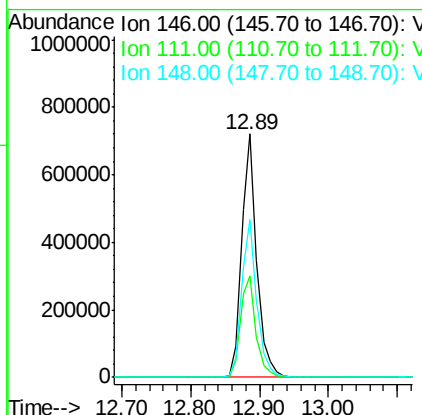
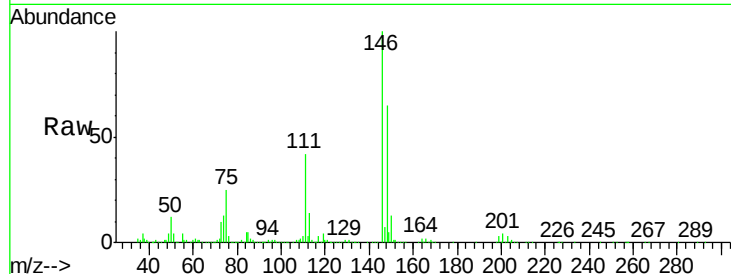




#90
 1,2-Dichlorobenzene
 Concen: 45.40 ug/l
 RT: 12.89 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

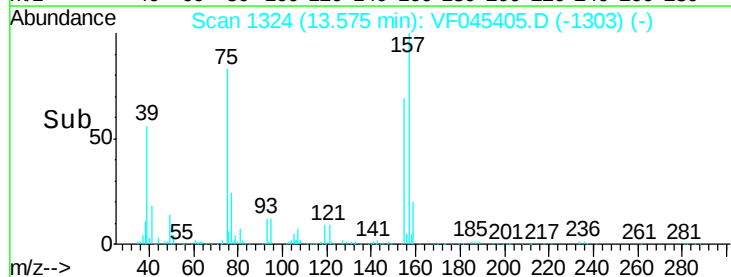
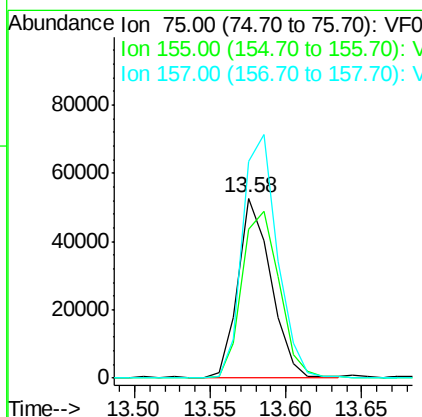
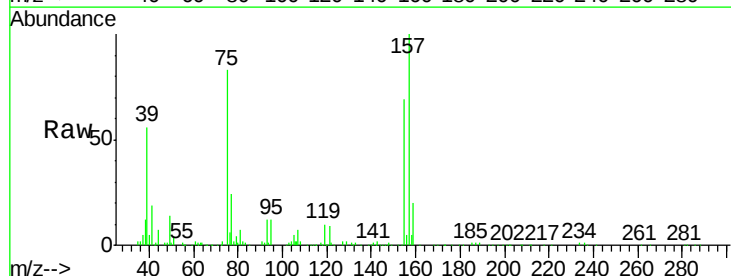
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

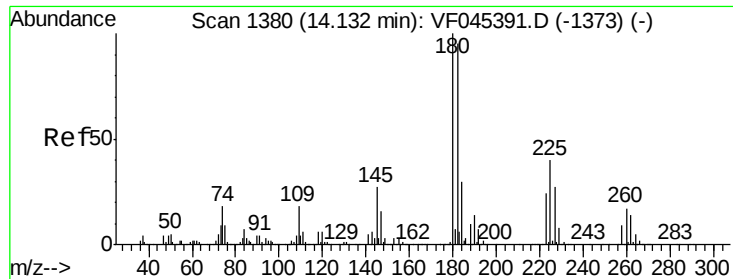
Tot Ion:146 Resp: 1089259
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.4 64.3
 148 64.9 31.4 94.3



#91
 1,2-Dibromo-3-Chloropropane
 Concen: 49.16 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VF045405.D
 Acq: 17 Sep 2015 12:15

Tgt Ion: 75 Resp: 80026
 Ion Ratio Lower Upper
 75 100
 155 82.7 49.2 147.6
 157 120.6 66.8 200.4

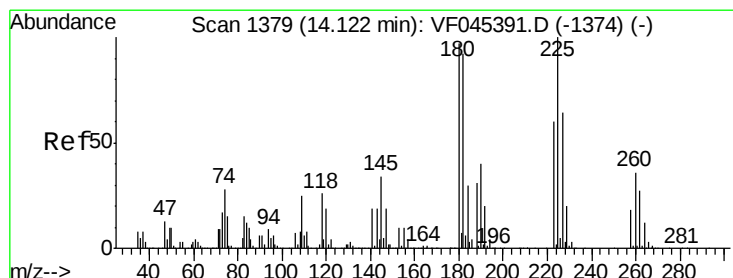
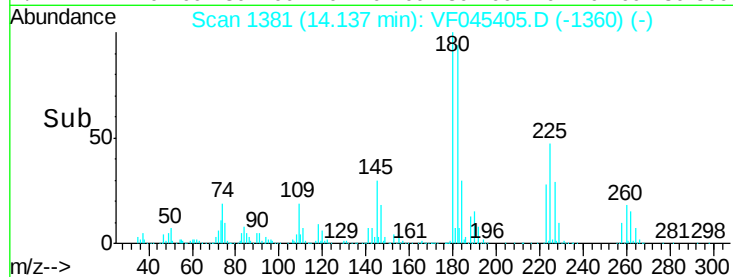
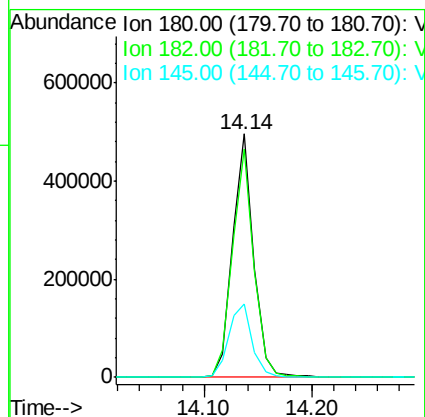
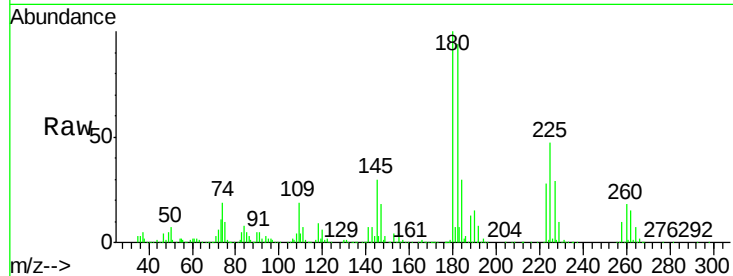




#92
1,2,4-Trichlorobenzene
Concen: 48.53 ug/l
RT: 14.14 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

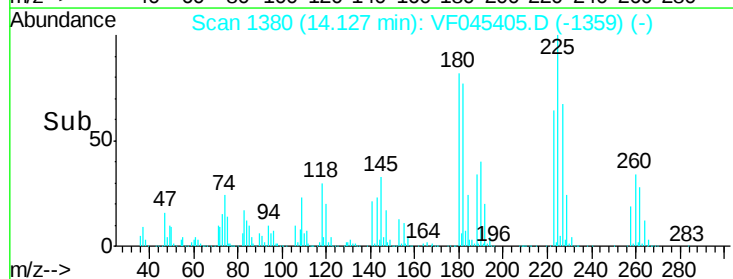
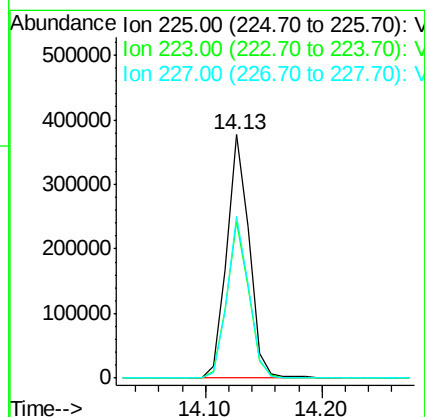
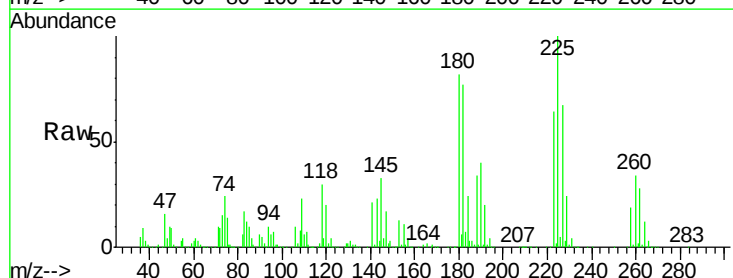
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

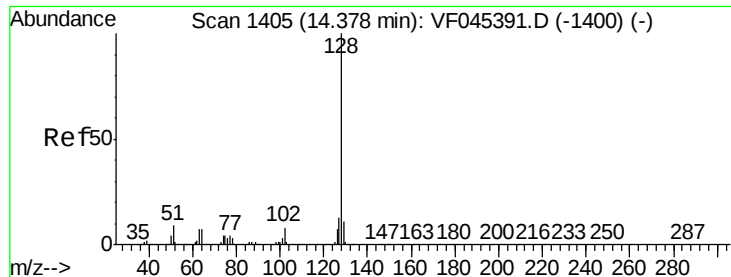
Tot Ion:180 Resp: 673730
Ion Ratio Lower Upper
180 100
182 93.6 49.4 148.0
145 30.3 16.7 50.1



#93
Hexachlorobutadiene
Concen: 47.72 ug/l
RT: 14.13 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VF045405.D
Acq: 17 Sep 2015 12:15

Tgt Ion:225 Resp: 503295
Ion Ratio Lower Upper
225 100
223 64.5 31.9 95.5
227 66.6 32.9 98.7





#94

Naphthalene

Concen: 47.05 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Instrument :

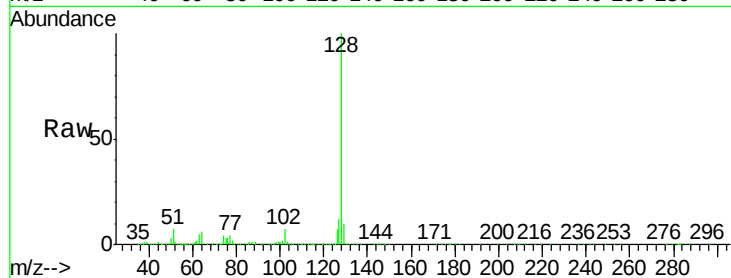
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1230861

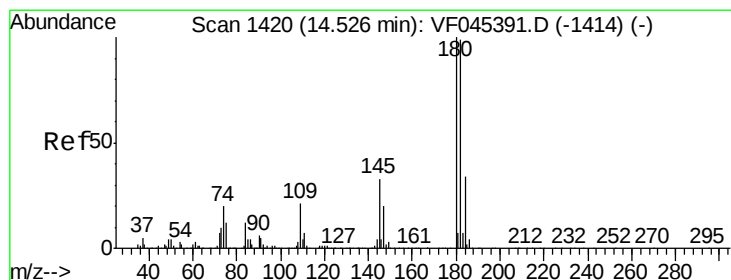
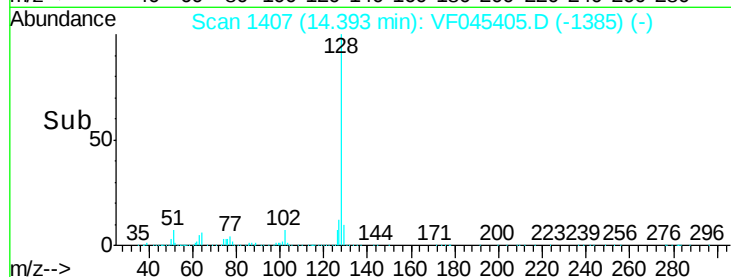
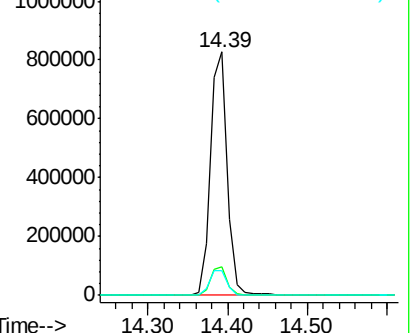
Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	10.2	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#95

1,2,3-Trichlorobenzene

Concen: 50.21 ug/l

RT: 14.53 min Scan# 1421

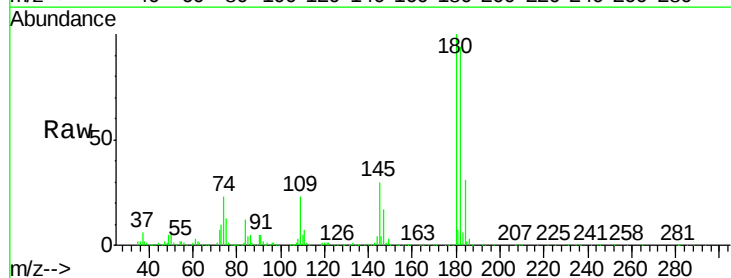
Delta R.T. 0.00 min

Lab File: VF045405.D

Acq: 17 Sep 2015 12:15

Tgt Ion:180 Resp: 572742

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	30.5	14.5	43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

